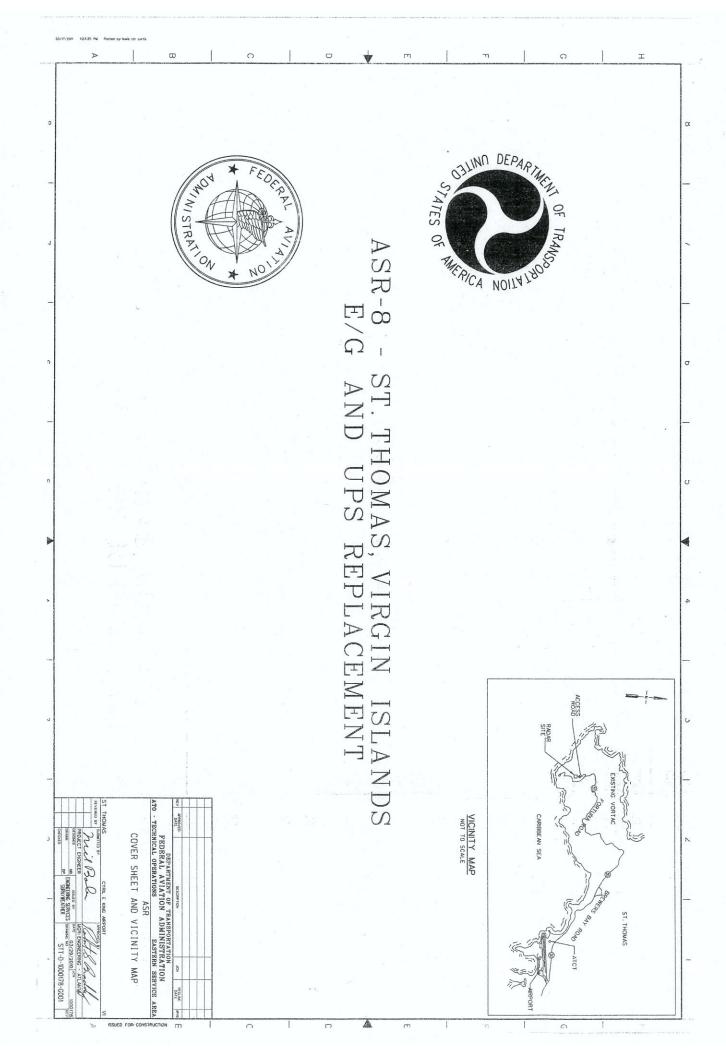
Attachment 2-A

Drawings

Solicitation No.: DTFAEN-11-R-00060

Construction of the

Airport Surveillance Radar-8 (ASR-8) Building Replacement Project Cyril E. King International Airport St. Thomas, USVI



LIST OF DRAWINGS

Construction of the Airport Surveillance Radar-8 (ASR-8) Building Replacement Project

Cyril E. King International Airport St. Thomas, USVI

Number	<u>Date</u>	No. of Pages	<u>Title</u>
STT-D-1000178-G001	04/17/2010	0 1	ASR Replace ASR Building Cover Sheet and Vicinity Map
STT-D-1000178-G002	04/17/2010	0 1	ASR Replace ASR Building Index Sheet
STT-D-1000178-G003	04/17/2010	0 1	ASR Replace ASR Building Legend and Abbreviations
STT-D-1000178-D001	04/17/2010	0 1	ASR Replace ASR Building Demolition Site Plan
STT-D-1000178-D002	04/17/2010	0 1	ASR Replace ASR Building Demolition Floor Plan
STT-D-1000178-D003	04/17/2010) 1	ASR Replace ASR Building Demolition Single Line Diagram
STT-D-1000178-D004	04/17/2010) 1	ASR Replace ASR Building ERMS Panels; Demolition Floor Plan
STT-D-1000178-C001	04/17/2010	0 1	ASR Replace ASR Building Interim Site Plan
STT-D-1000178-C002	04/17/2010) 1	ASR Replace ASR Building Final New Site Plan
STT-D-1000178-C003 type	04/17/2010) 1	ASR Replace ASR Building Site Details and Sections
STT-D-1000178-C004	04/17/2010) 1	ASR Replace ASR Building Fence Installation Details

STT-D-1000178-C005	04/17/2010	1	ASR Replace ASR Building Fence Grounding Details
STT-D-1000178-A001	04/17/2010	1	ASR Replace ASR Building Plan and Wall Openings
STT-D-1000178-A002	04/17/2010	1	ASR Replace ASR Building Elevations
STT-D-1000178-A003	04/17/2010	1	ASR Replace ASR Building Sections and Details 1 of 2
STT-D-1000178-A004	04/17/2010	1	ASR Replace ASR Building Sections and Details 2 of 2
STT-D-1000178-A005	04/17/2010	1	ASR Replace ASR Building E/G Bldg Floor Plan and Elevations
STT-D-1000178-A006	04/17/2010	1	ASR Replace ASR Building E/G Bldg Elevations
STT-D-1000178-A007	04/17/2010	1	ASR Replace ASR Building E/G Bldg Sections and Details
STT-D-1000178-E001	04/17/2010	1	ASR Replace ASR Building Electrical Site Plan
STT-D-1000178-E002	04/17/2010	1	ASR Replace ASR Building Power Plan
STT-D-1000178-E003	04/17/2010	1	ASR Replace ASR Building Lighting Plan and Electrical Details
STT-D-1000178-E004	04/17/2010	1	ASR Replace ASR Building Single Line Diagram
STT-D-1000178-E005	04/17/2010	1	ASR Replace ASR Building Conduit and Cable Schedules
STT-D-1000178-E006	04/17/2010	1	ASR Replace ASR Building Panel Schedules
STT-D-1000178-E007	04/17/2010	1	ASR Replace ASR Building Grounding Plan
STT-D-1000178-E008	04/17/2010	1	ASR Replace ASR Building Grounding Details

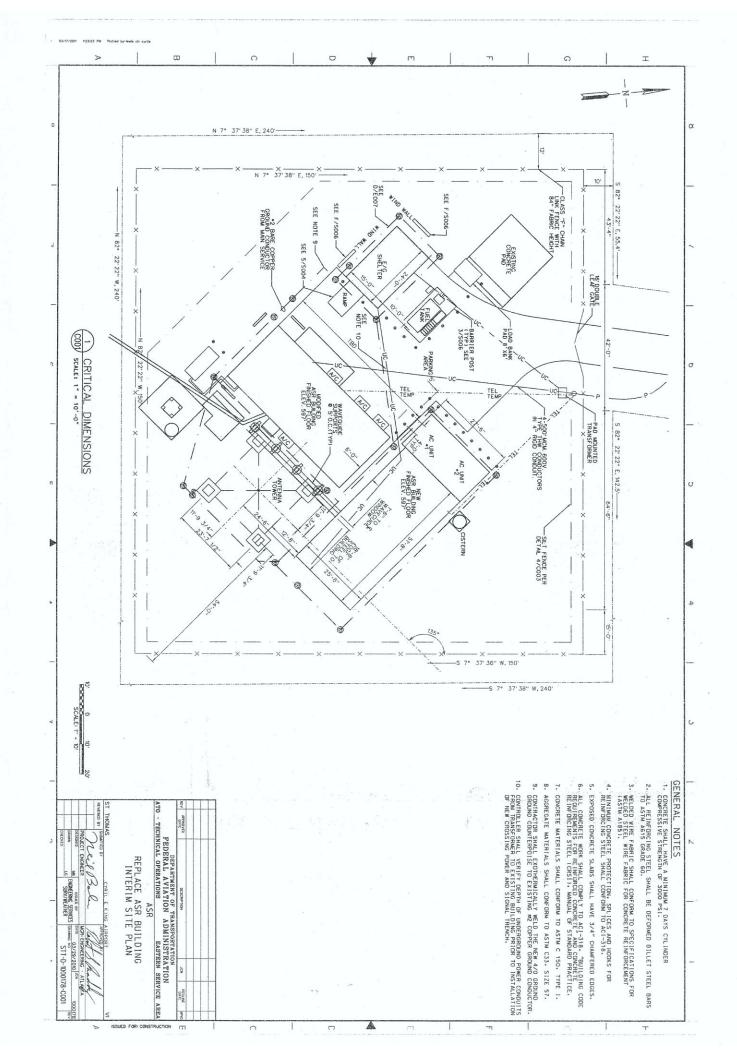
STT-D-1000178-E009	04/17/2010	1	ASR Replace ASR Building Grounding Details
STT-D-1000178-E010	04/17/2010	1	ASR Replace ASR Building Earth Ground Resistance Testing Instructions and Procedures
STT-D-1000178-E011	04/17/2010	1	ASR Replace ASR Building E/G Bldg Electrical Plans
STT-D-1000178-E012	04/17/2010	1	ASR Replace ASR Building Lighting and Electrical Installations
STT-D-1000178-E013	04/17/2010	1	ASR Replace ASR Building Control Diagram
STT-D-1000178-E014	04/17/2010	1	ASR Replace ASR Building Stairway and Landing Power and Lighting Modification Notes and Details
STT-D-1000178-E015	04/17/2010	1	ASR Replace ASR Building ERMS Panels Floor Plan
STT-D-1000178-E016	04/17/2010	1	ASR Replace ASR Building ERMS Panels P1, P3, P4, and P5 Interconnection Diagram
STT-D-1000178-E017	04/17/2010	1	ASR Replace ASR Building P2A, Dec 550, PM340, and M340 Connections for ERMS
STT-D-1000178-M001	04/17/2010	1	ASR Replace ASR Building Building HVAC Plans and Sections
STT-D-1000178-M002	04/17/2010	,1	ASR Replace ASR Building Mechanical Schedules
STT-D-1000178-M003	04/17/2010	1	ASR Replace ASR Building A/C Control Wiring Schematic
STT-D-1000178-M004	04/17/2010	1	ASR Replace ASR Building Damper and Louver Details W/ Pipe Extrusions Through Wall Details
STT-D-1000178-M006	04/17/2010	1	ASR Replace ASR Building Fuel Oil Piping Schematic
STT-D-1000178-M007	04/17/2010	1	ASR Replace ASR Building Plumbing Fuel Tank Details 1 of 2

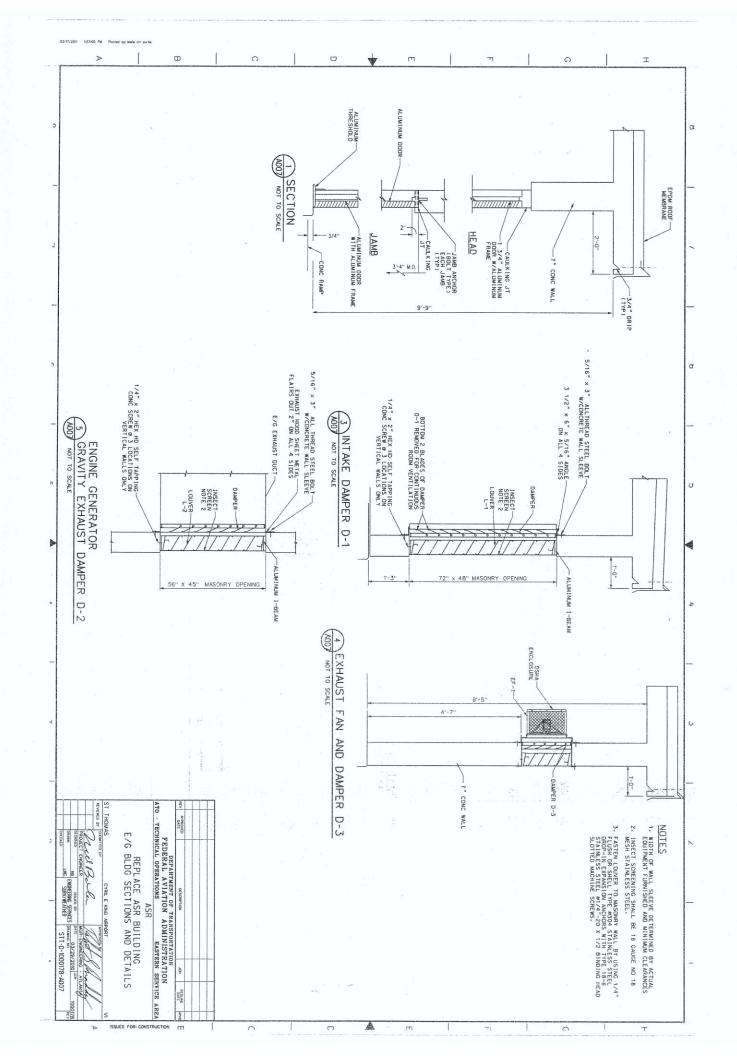
STT-D-1000178-M008	04/17/2010 1	ASR Replace ASR Building Plumbing Fuel Tank Details 2 of 2
STT-D-1000178-M009	04/17/2010 1	ASR Replace ASR Building Fuel Piping Trench Details
STT-D-1000178-S001	04/17/2010 1	ASR Replace ASR Building Foundation Plans and Details
STT-D-1000178-S002	04/17/2010 1	ASR Replace ASR Building Miscellaneous Foundation Plans and Details
STT-D-1000178-S003	04/17/2010 1	ASR Replace ASR Building Concrete Roof Reinforcing Plan and Sections
STT-D-1000178-S004	04/17/2010 1	ASR Replace ASR Building E/G Building Foundation Plan and Details
STT-D-1000178-S005	04/17/2010 1	ASR Replace ASR Building E/G Building Structural Plan and Details

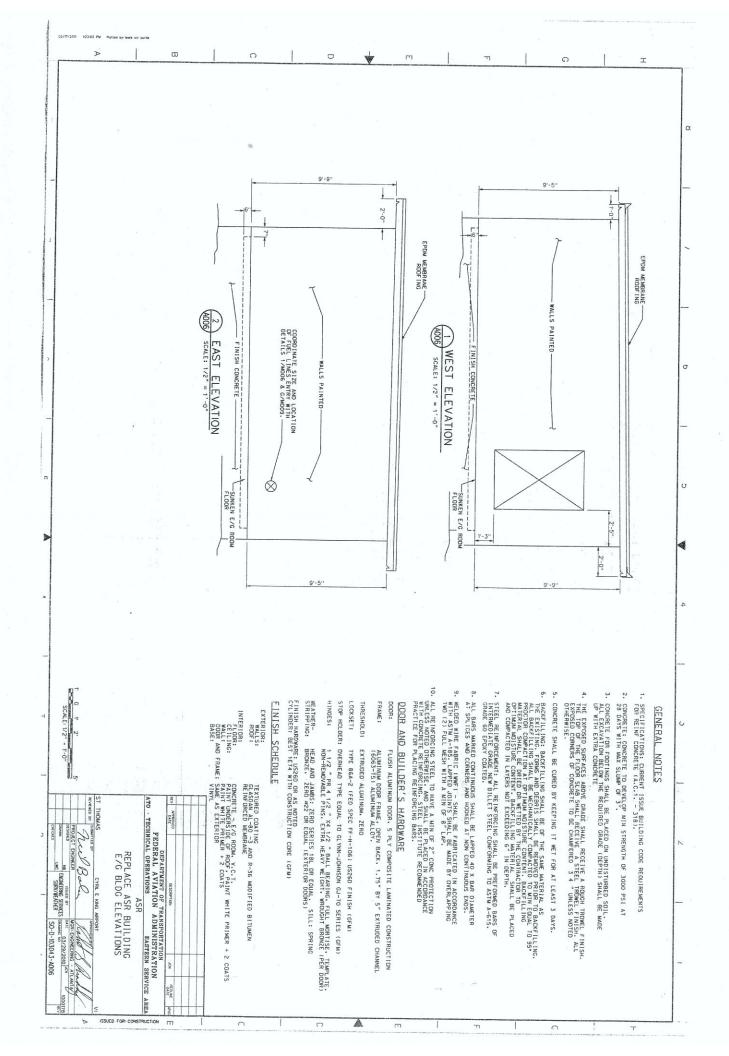
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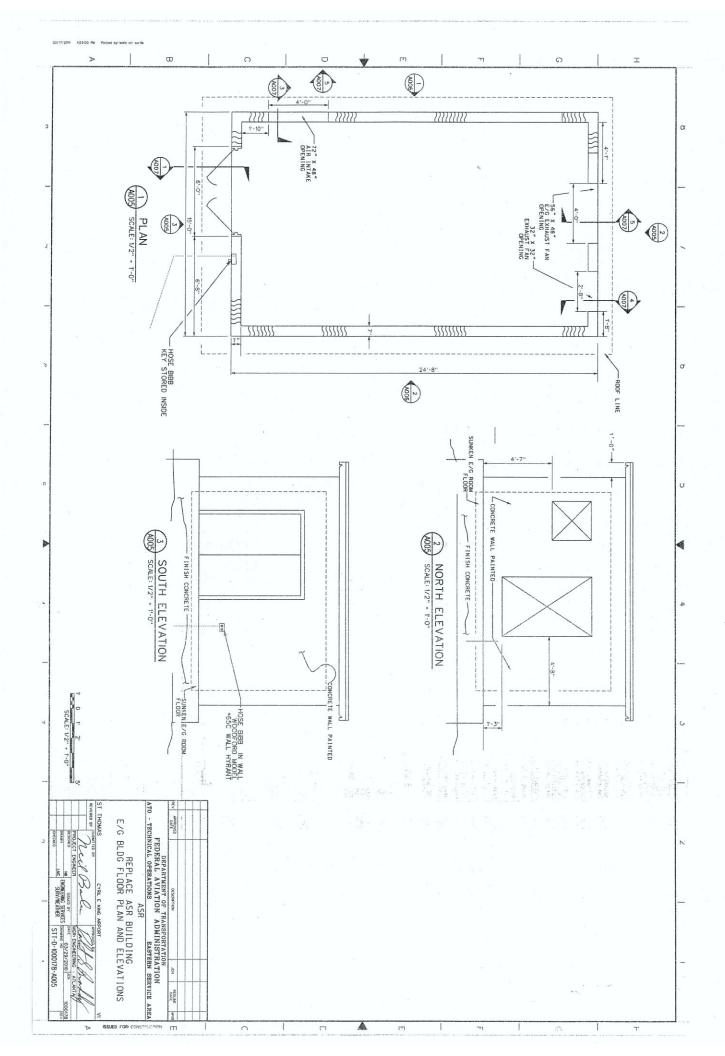
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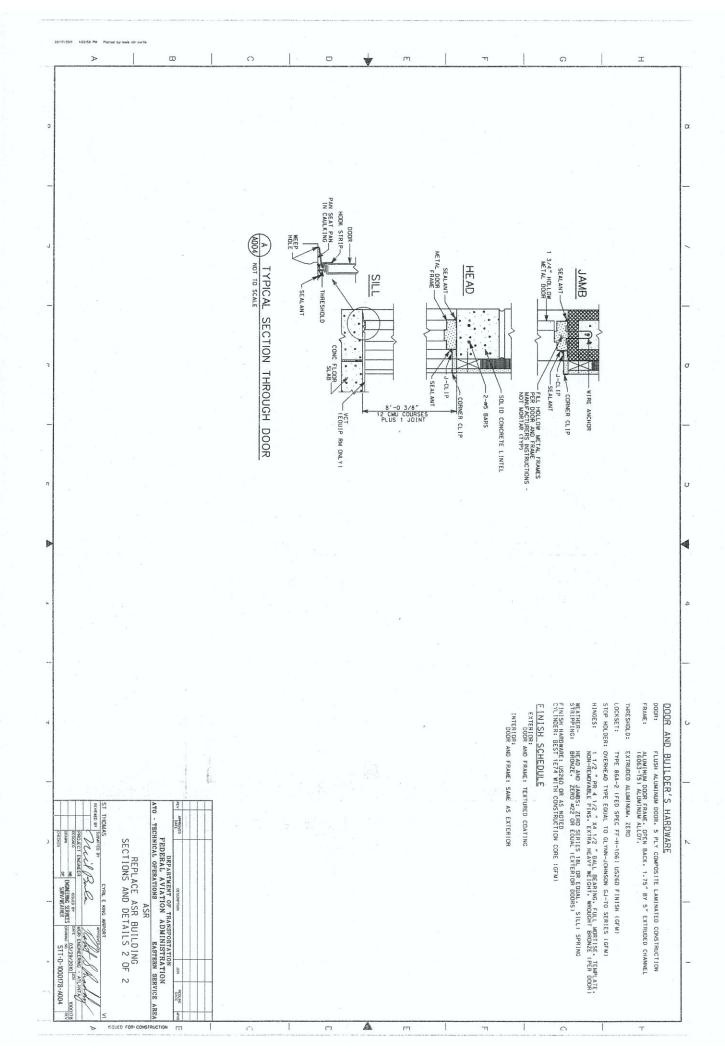
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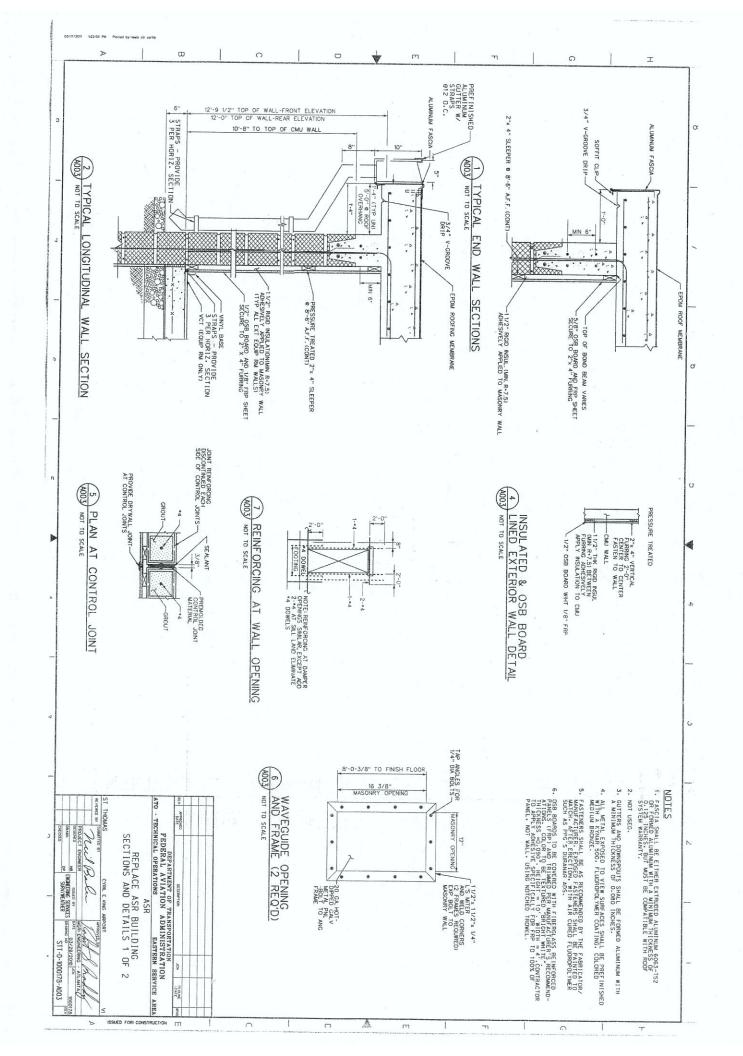


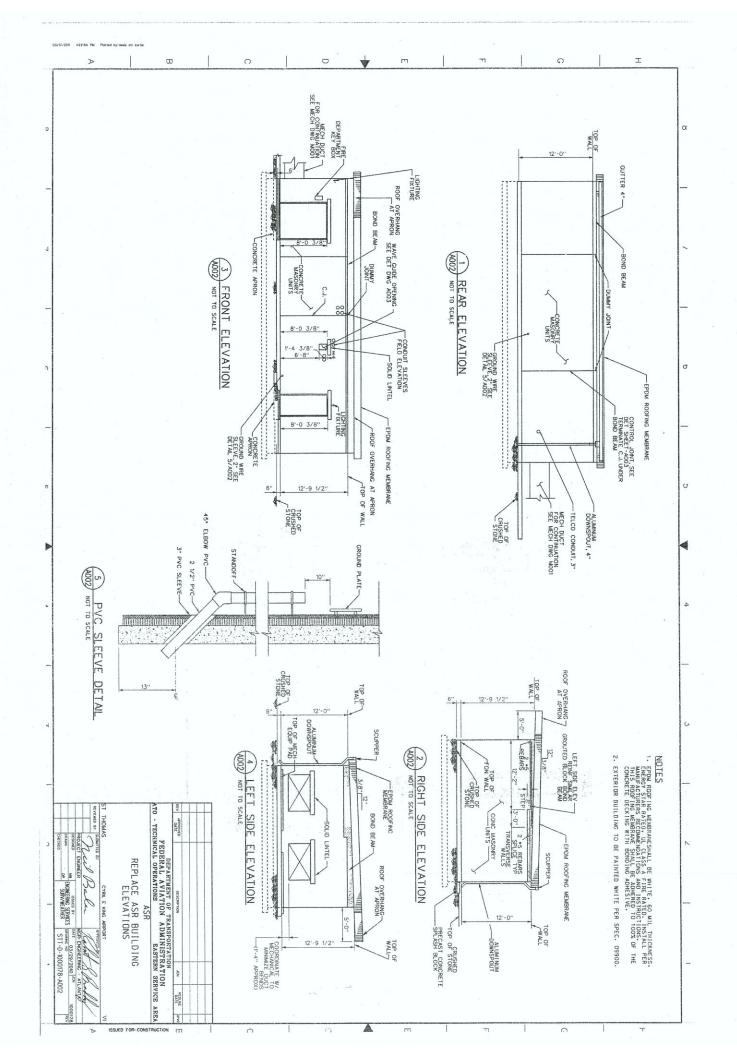


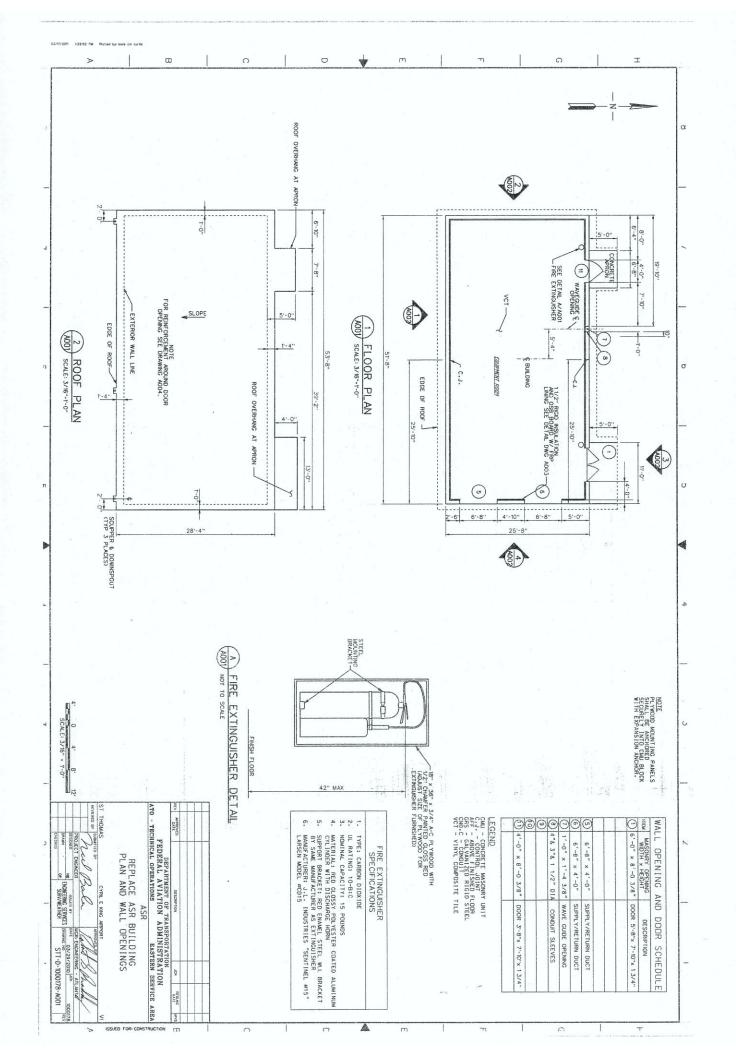


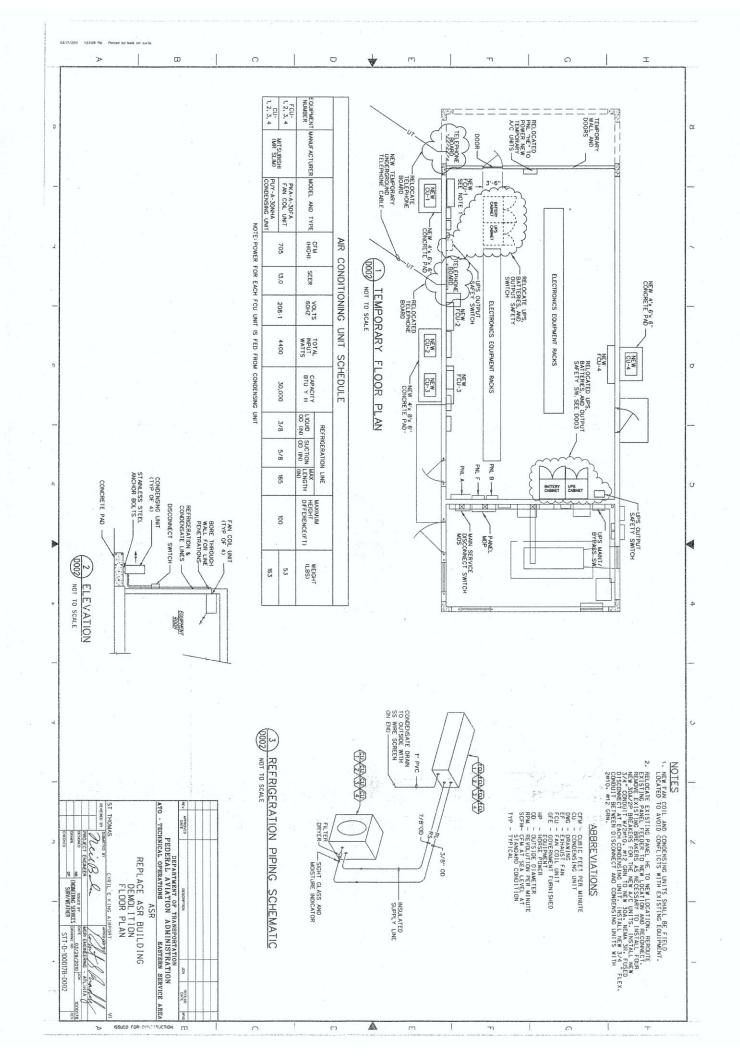


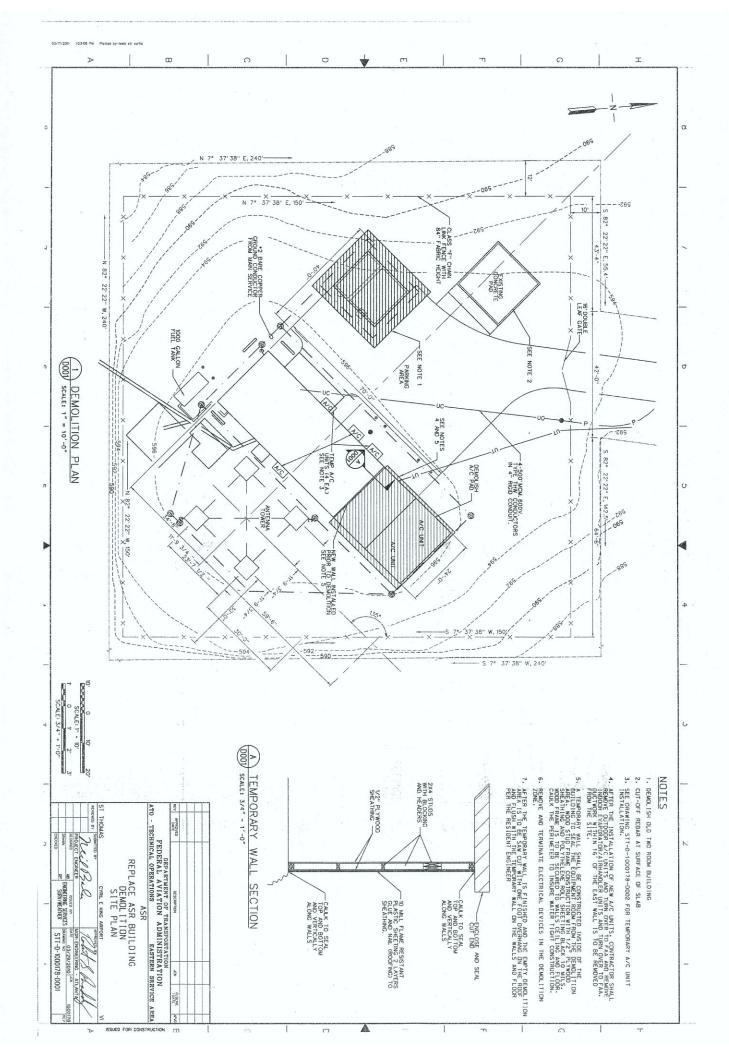


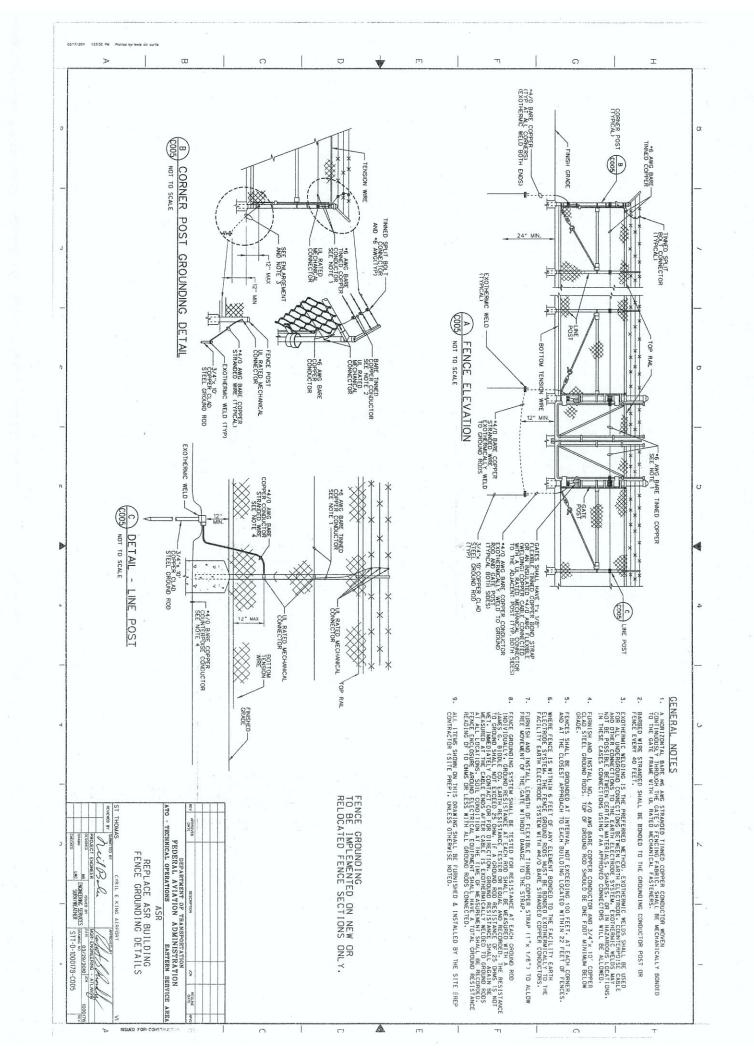


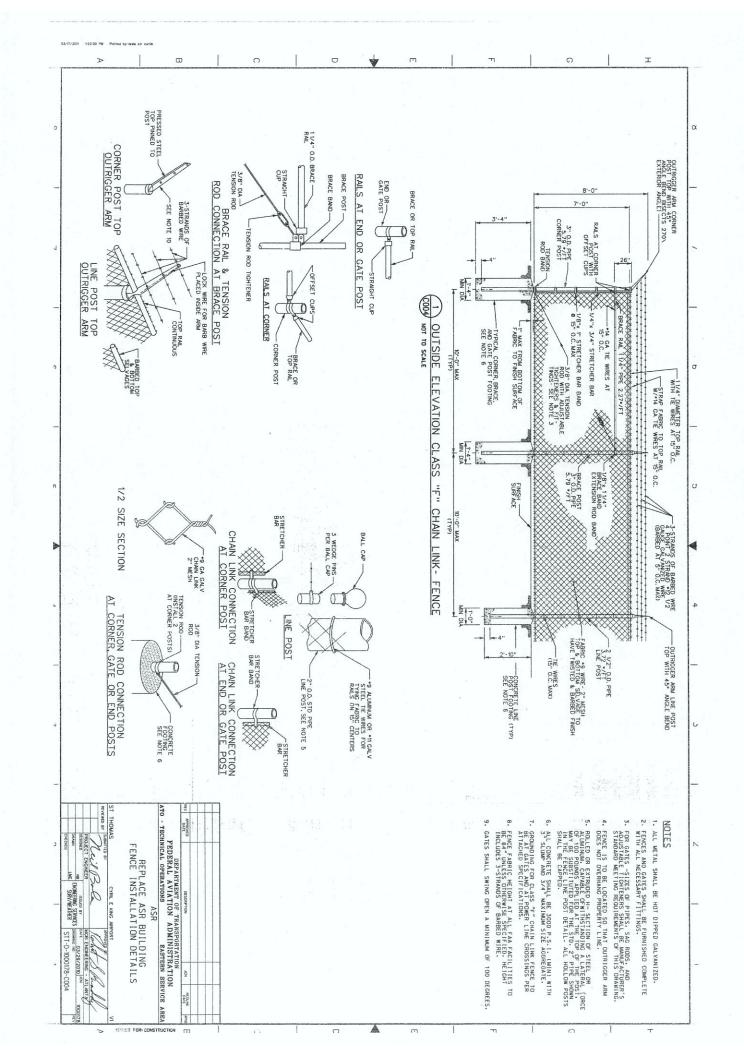


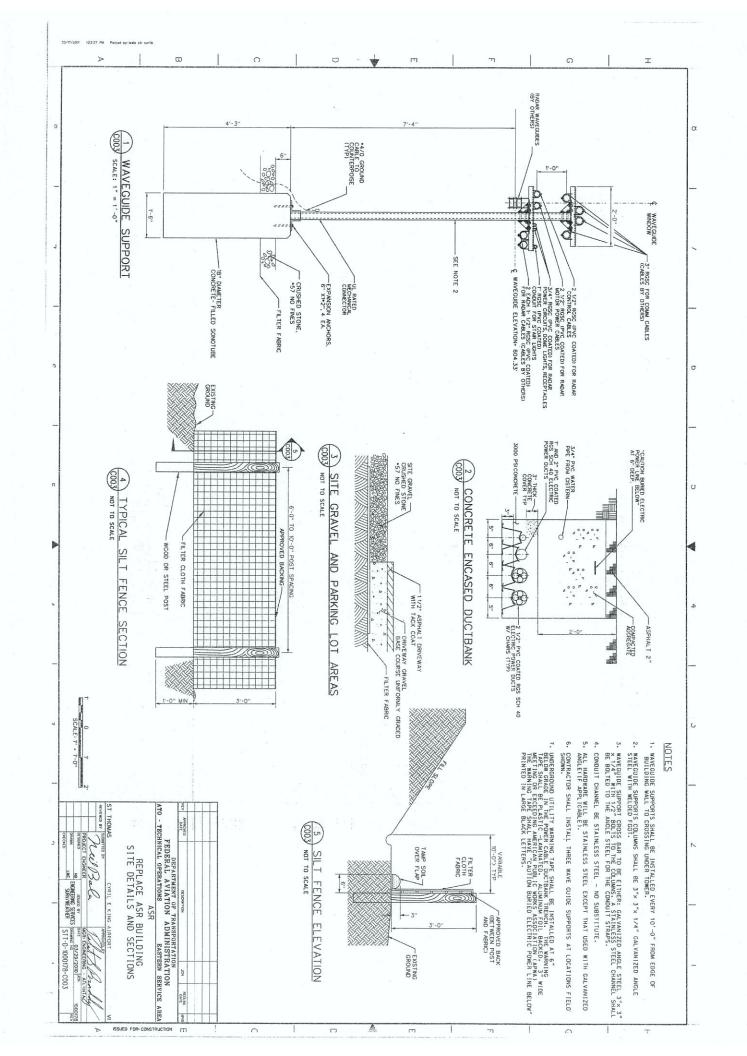


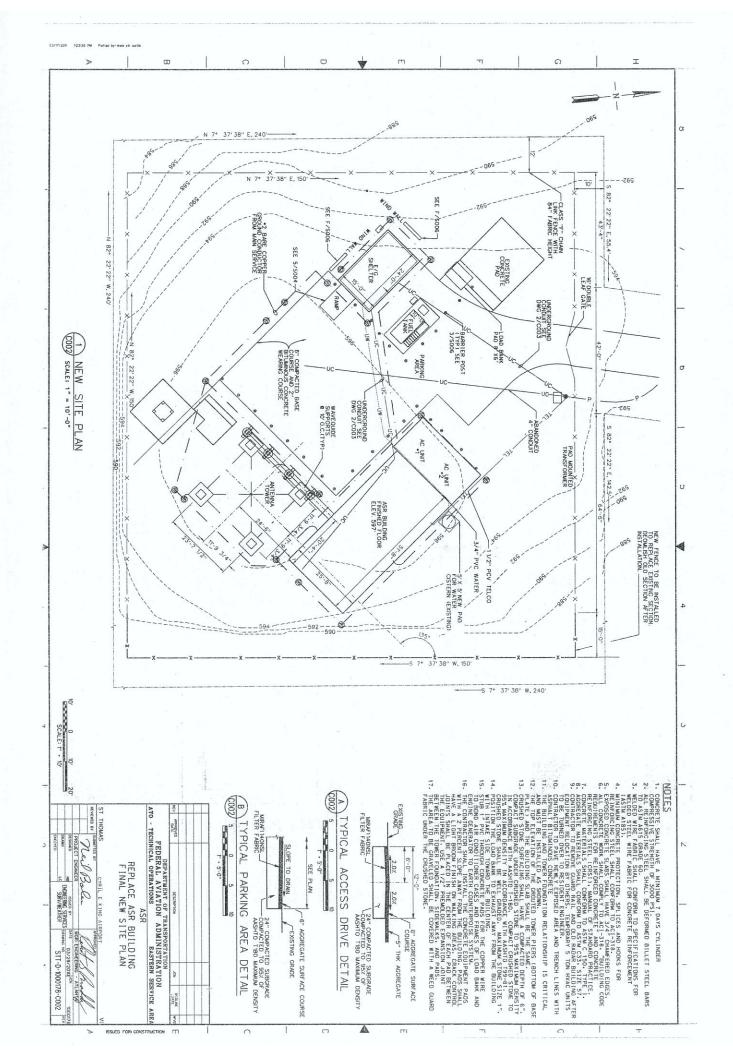




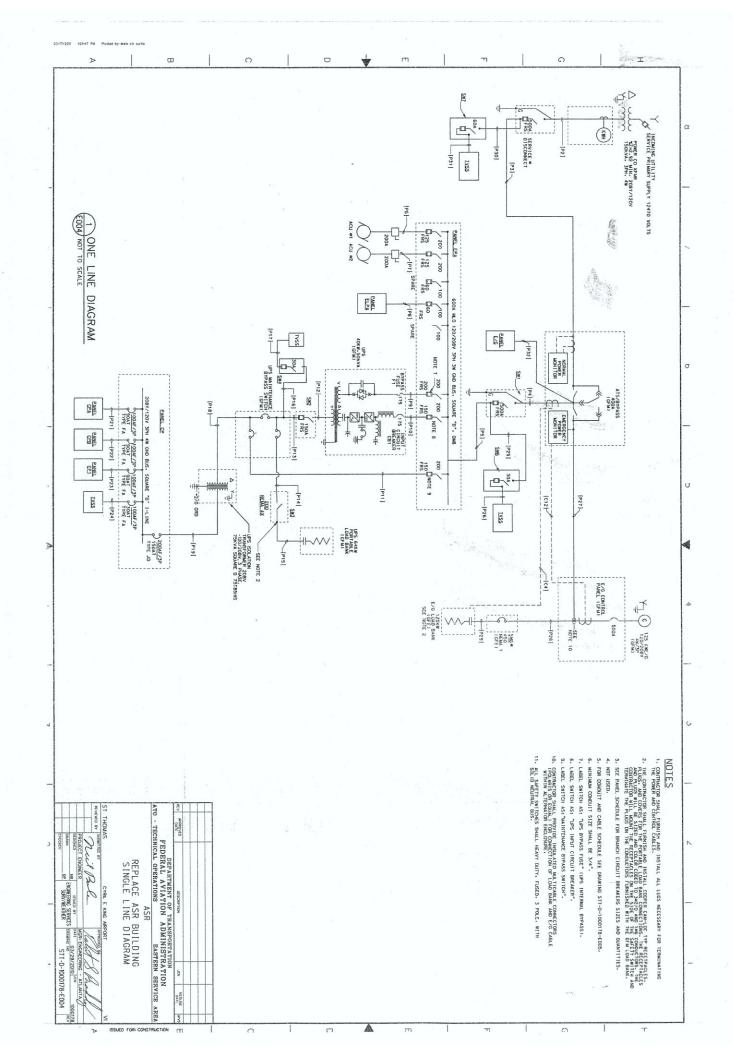


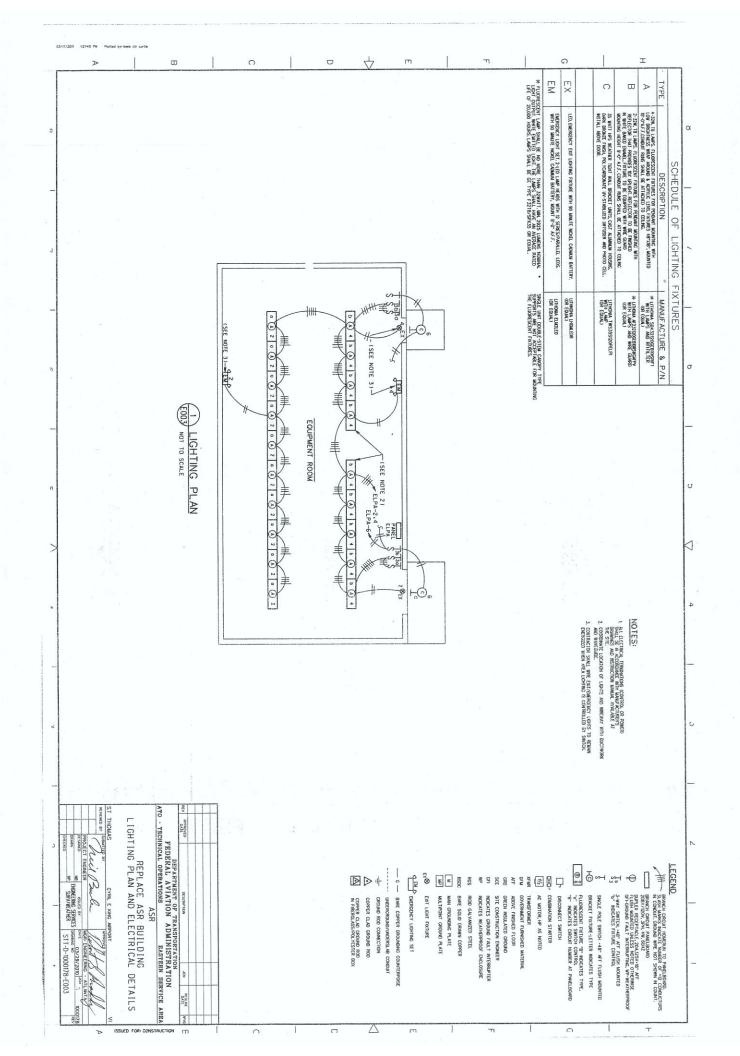


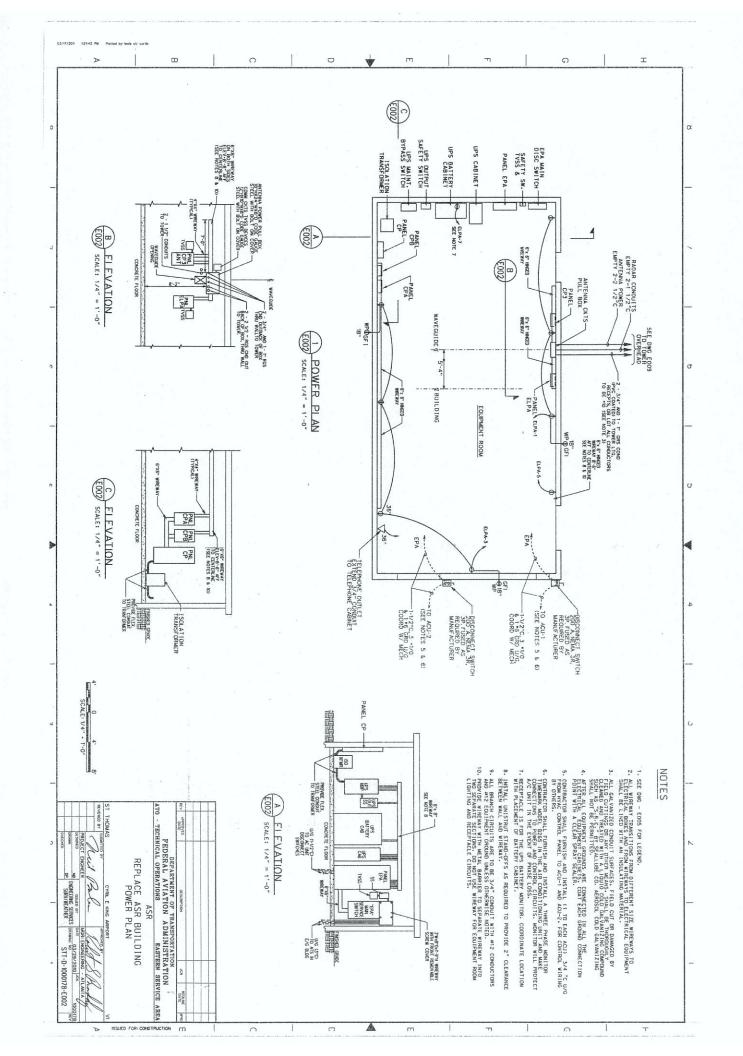


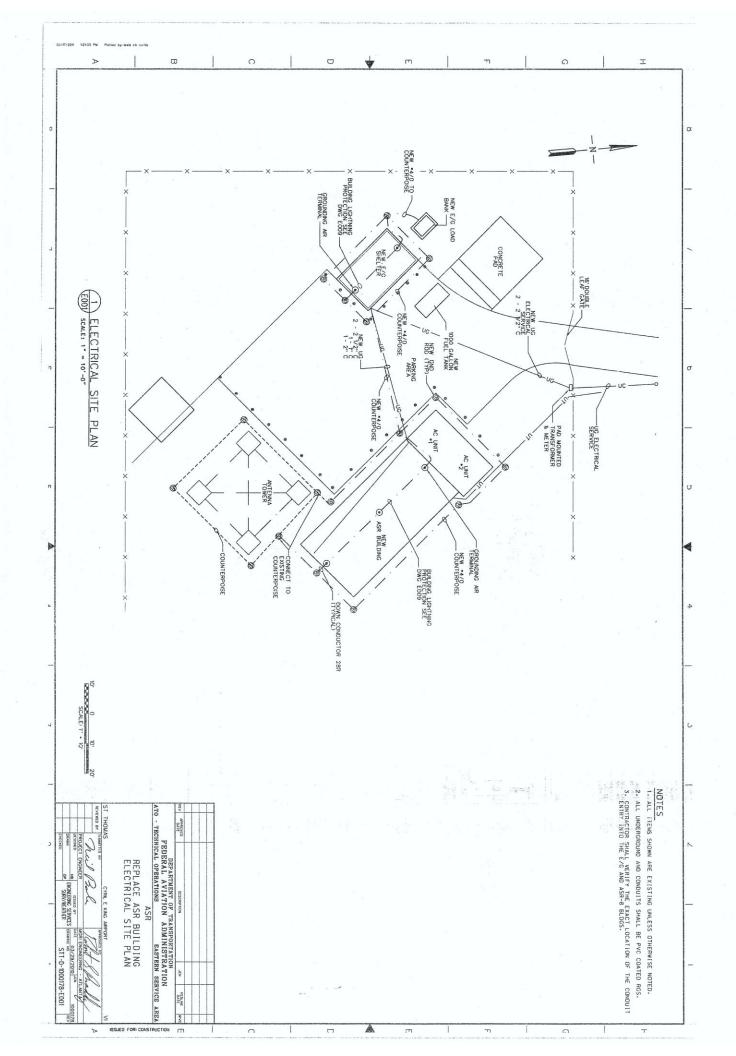


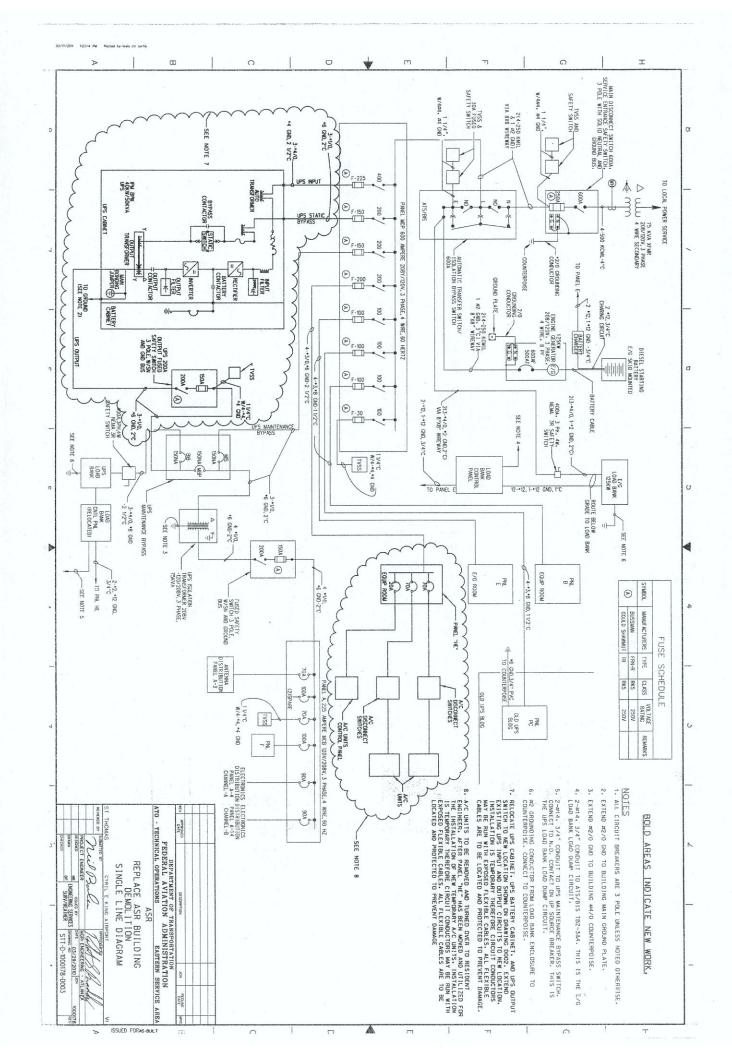
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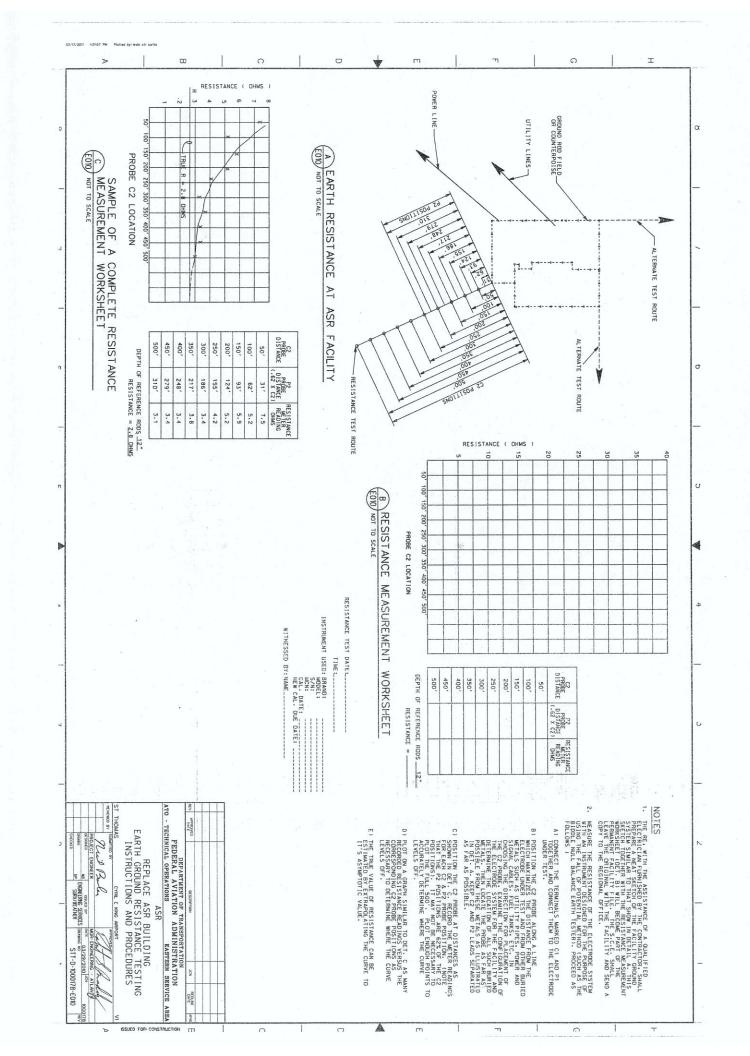


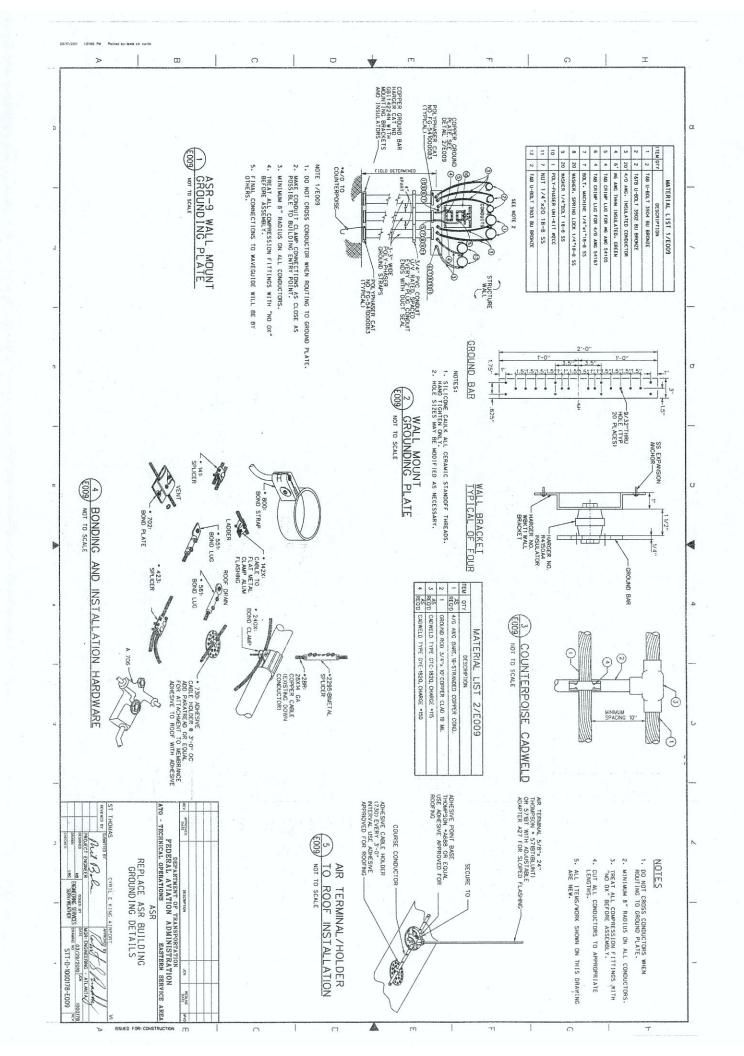


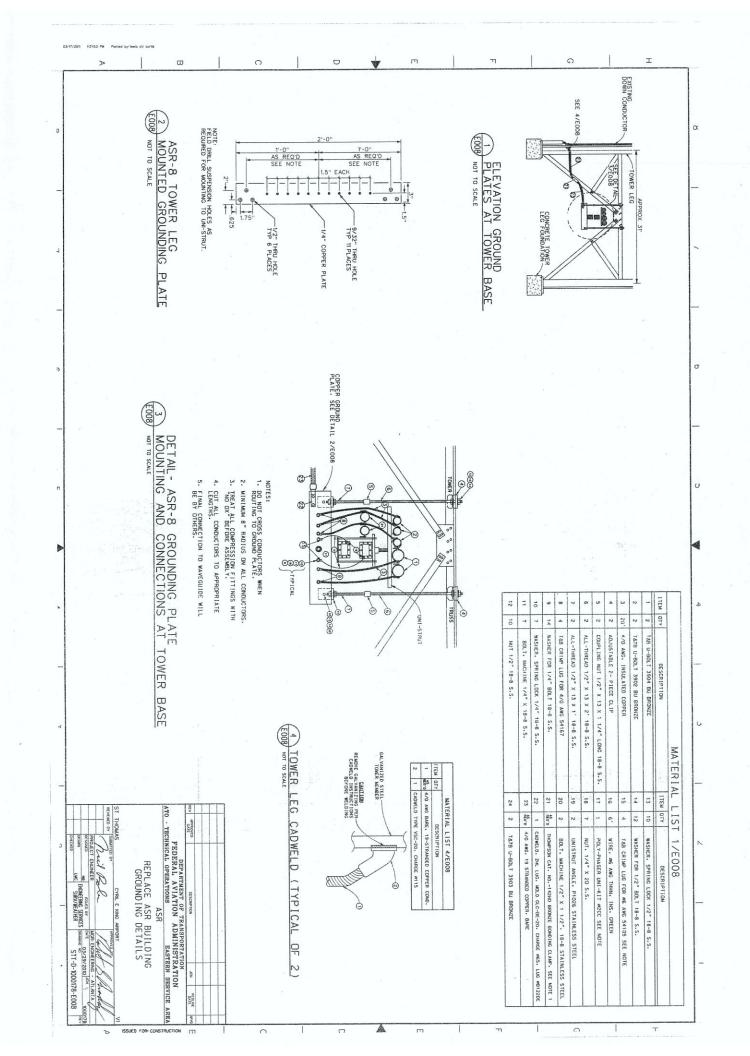


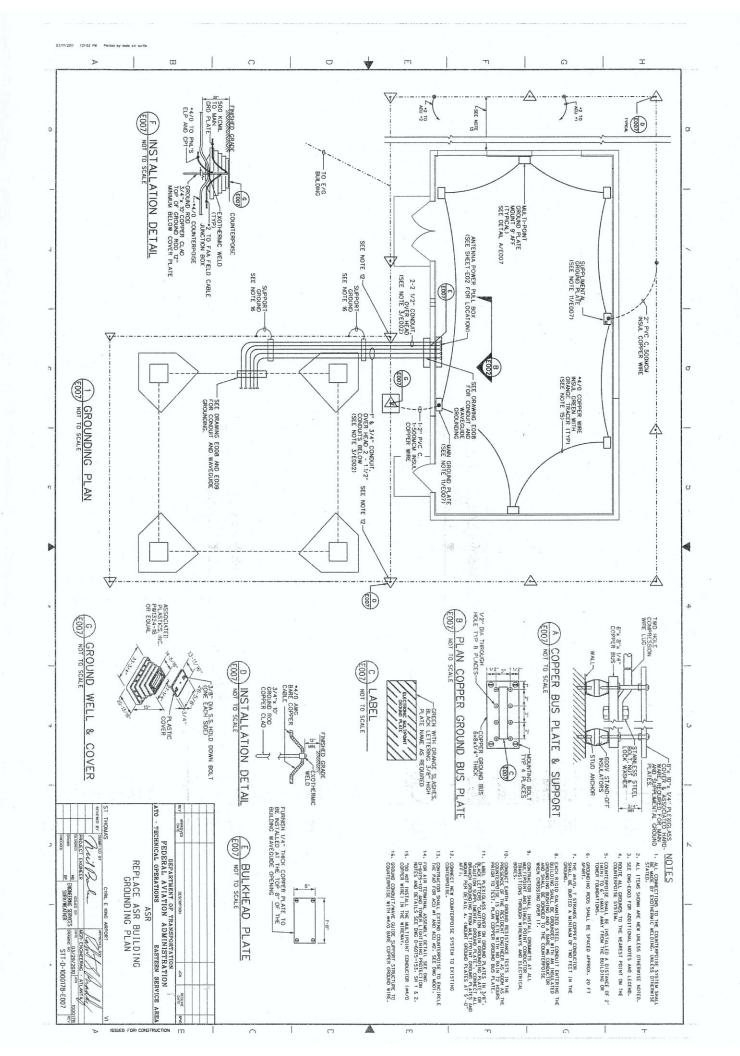


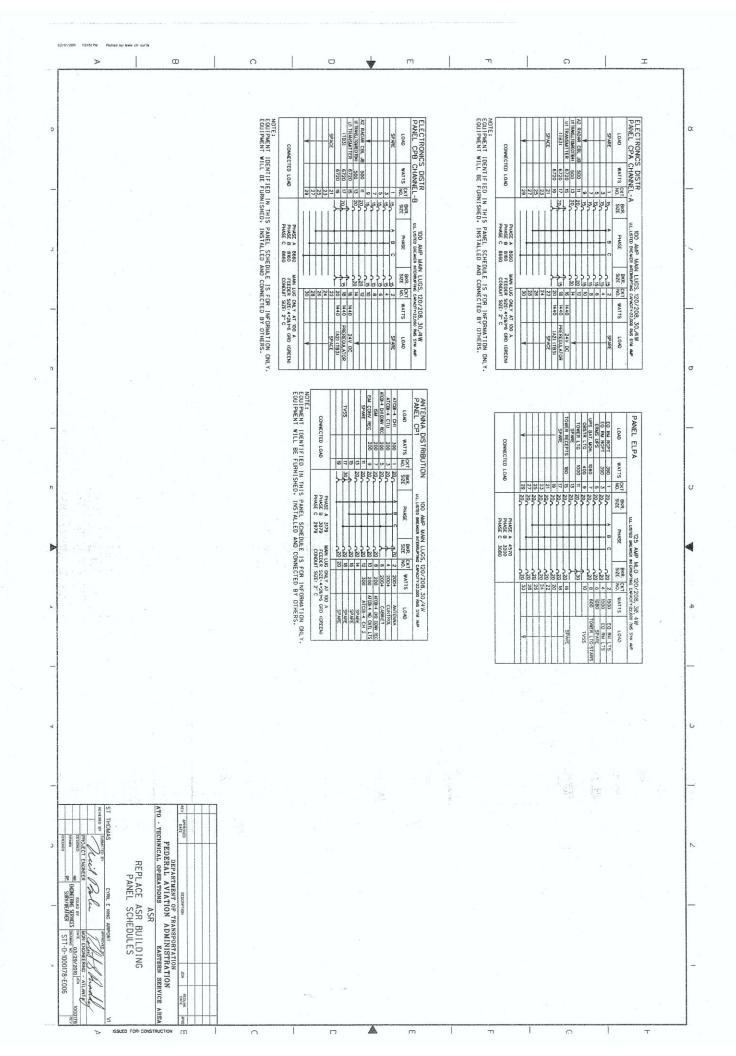


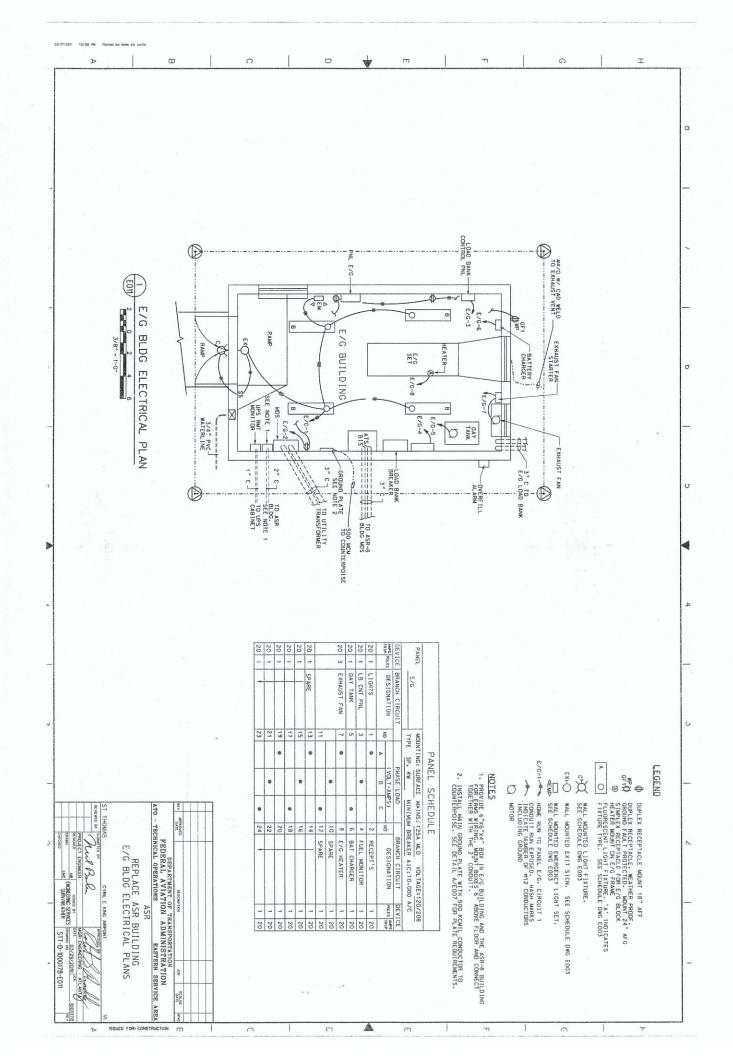


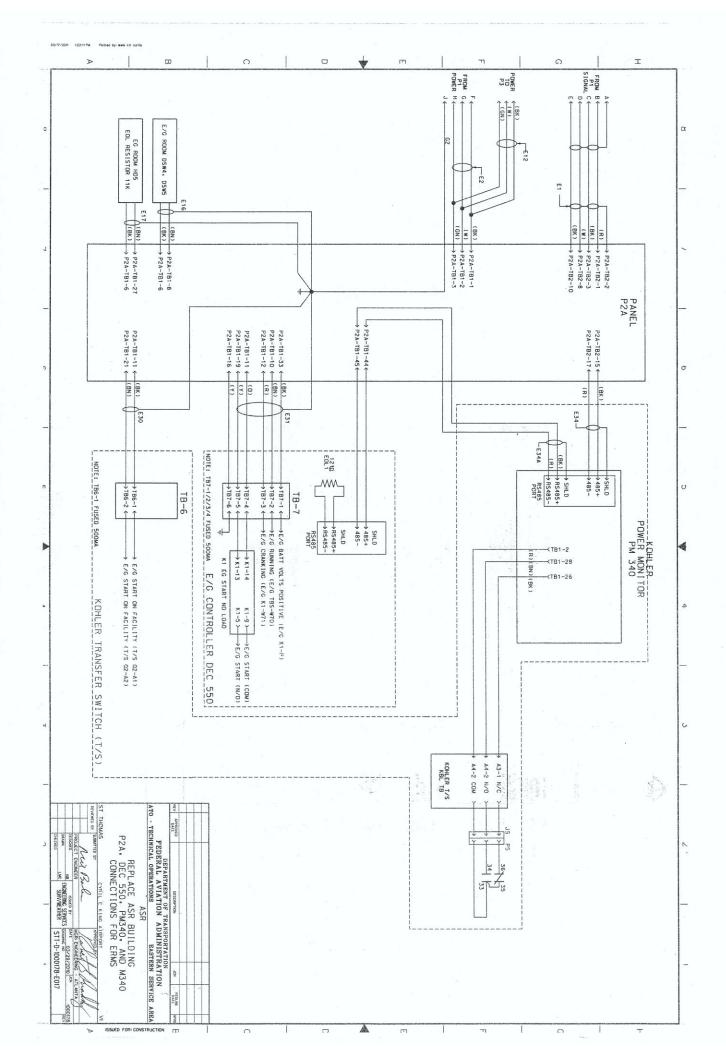


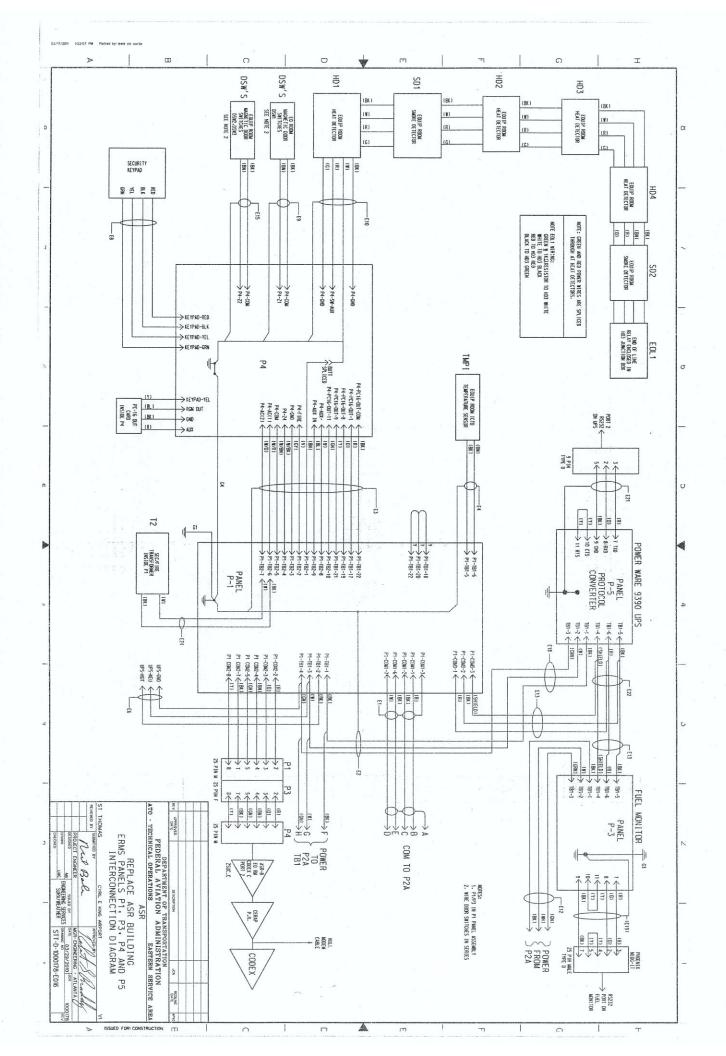


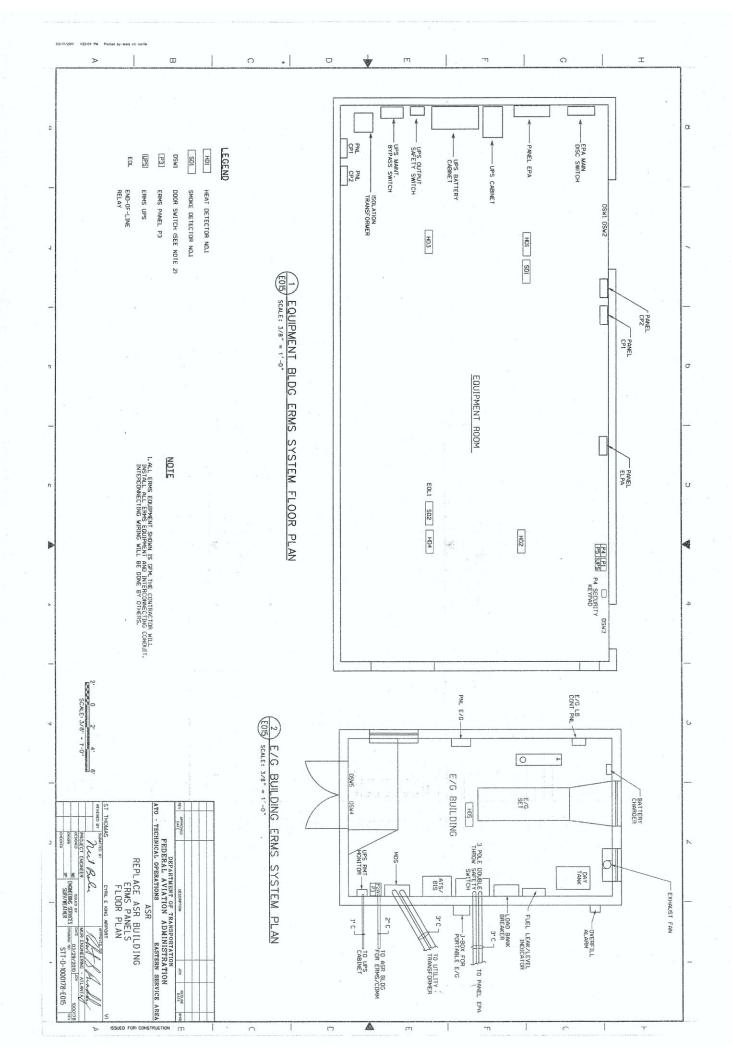


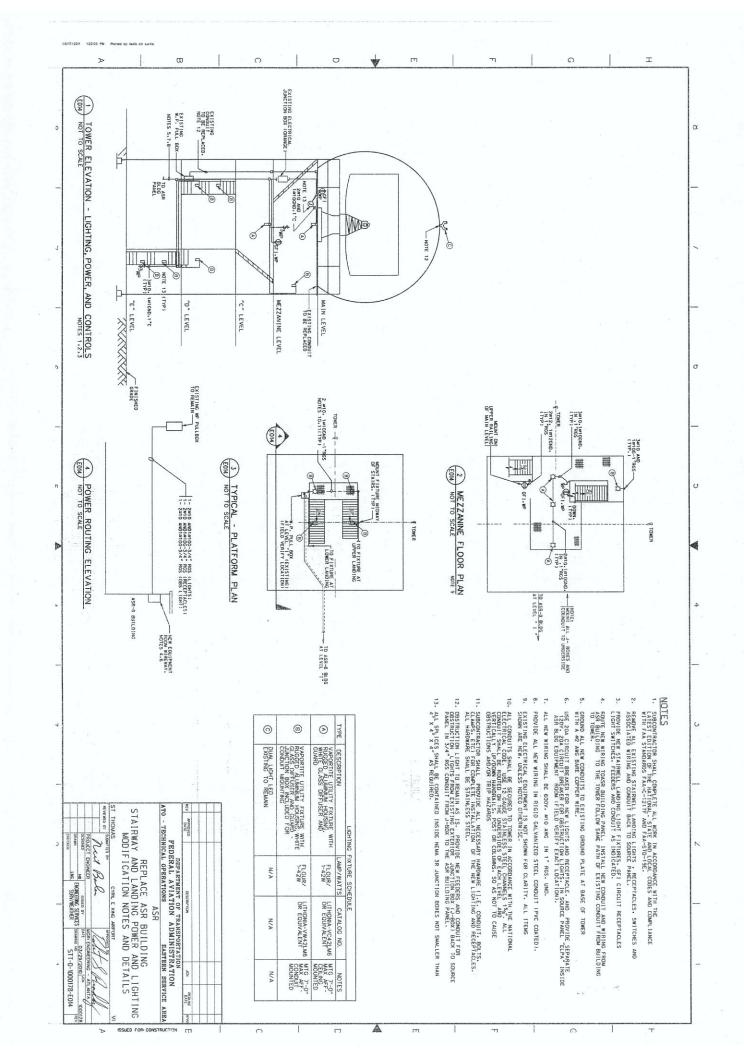


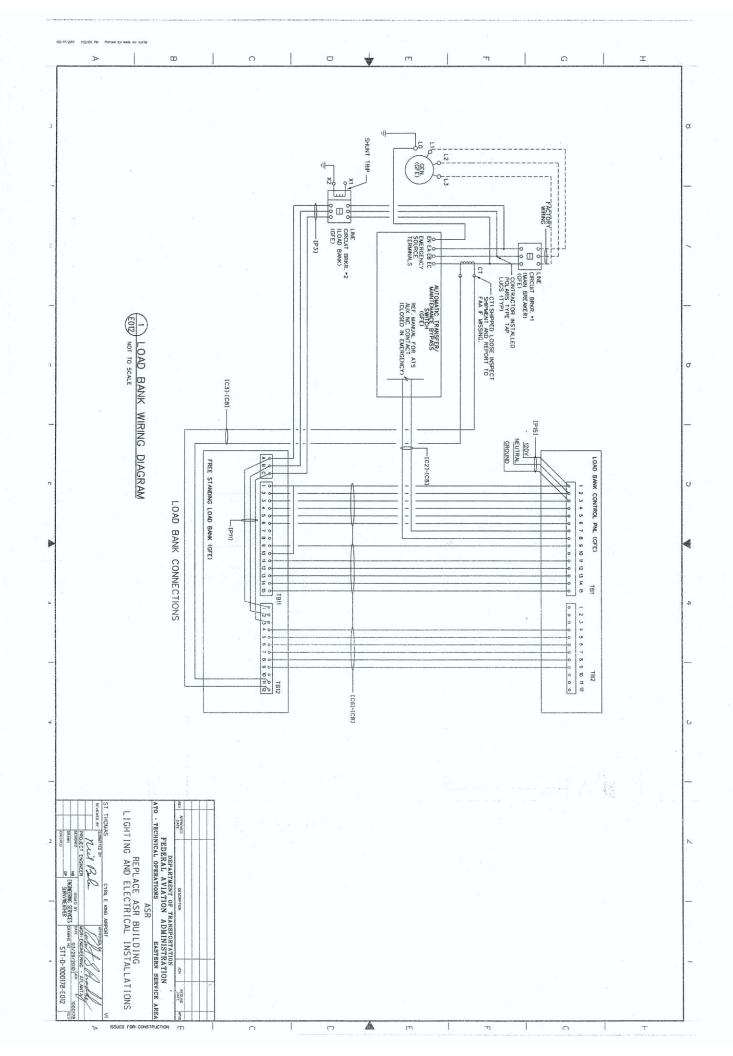


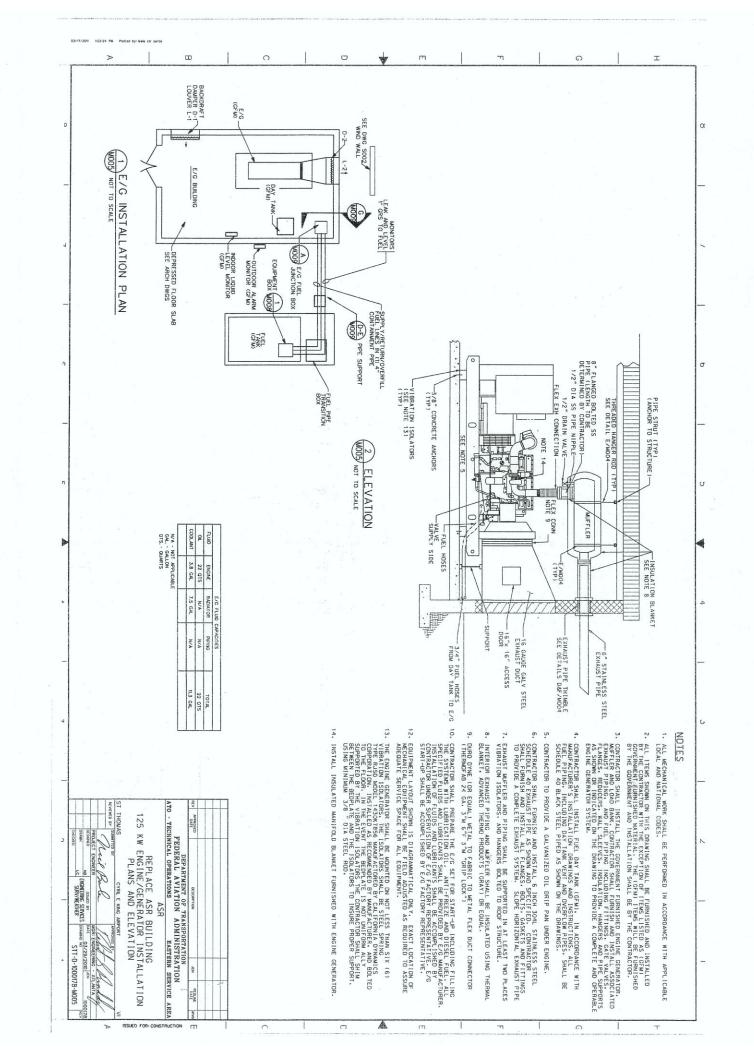


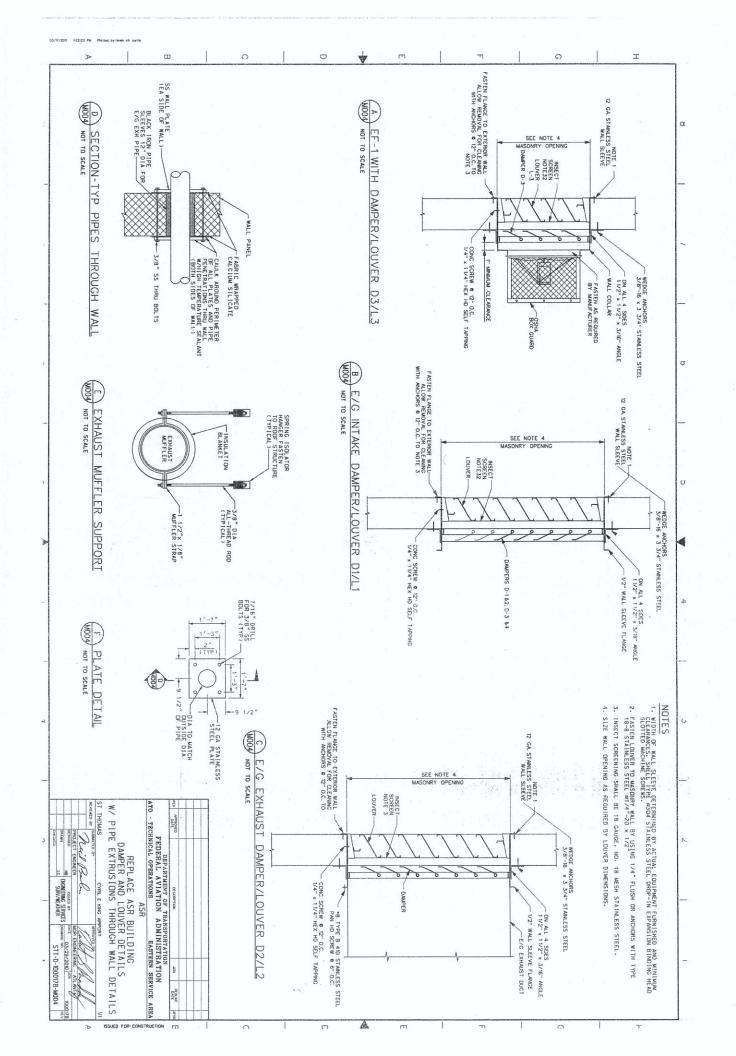


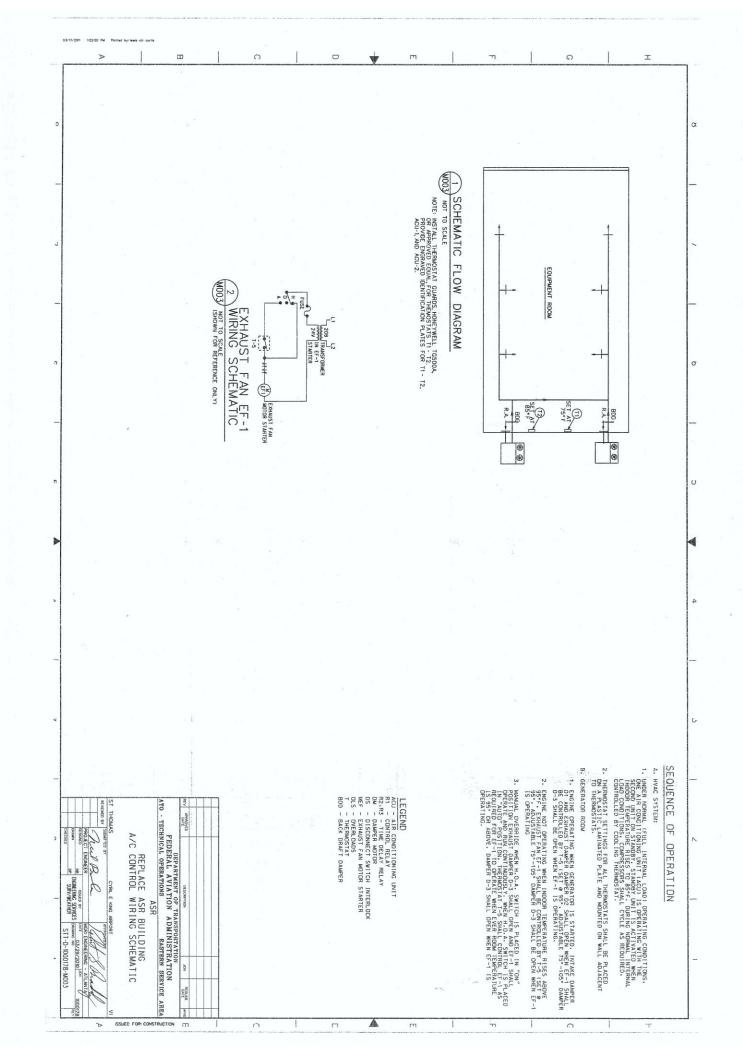












Œ 0 EQUIPMENT EQUIPMENT NUMBER ACU-1 ACU-2 5 0-3 0-2 P-1 L-3 L-2 NOTES:

1. CAPACITY BASED ON 95°F F.D.B. ENTERING CONDENSER 80°F E.D.B. -57°F E.W.B. ENTERING EVAPORATOR

2. PROVIDED EACH UNIT WITH MITH—SINGET CYCLE TIMERS FOR EACH COMPRESSOR. ILIME DELAY RELAYS. COMPRESSOR UNLOADERS. AND ALL TIME DELAY RELAYS. SHALL BE ADJUSTABLE TYPE (O TO 5 MINUTES).

3. UNITS SHALL BE HARD AT FACTORY SO THAT WHEN HERMOSTAT SEE POINT IS SATISFIED. ALL COMPRESSORS SHALL IMMEDIATELY D. PROVIDED WITH FACTORY APPLIED OIPPED PHENOLIC COATING TO ALL COILS AND ADSIL COATING TO ALL COURTONENTS OF THE UNIT I. THE HIRRIDGA AND EXTERIOR OF THE CABINET.

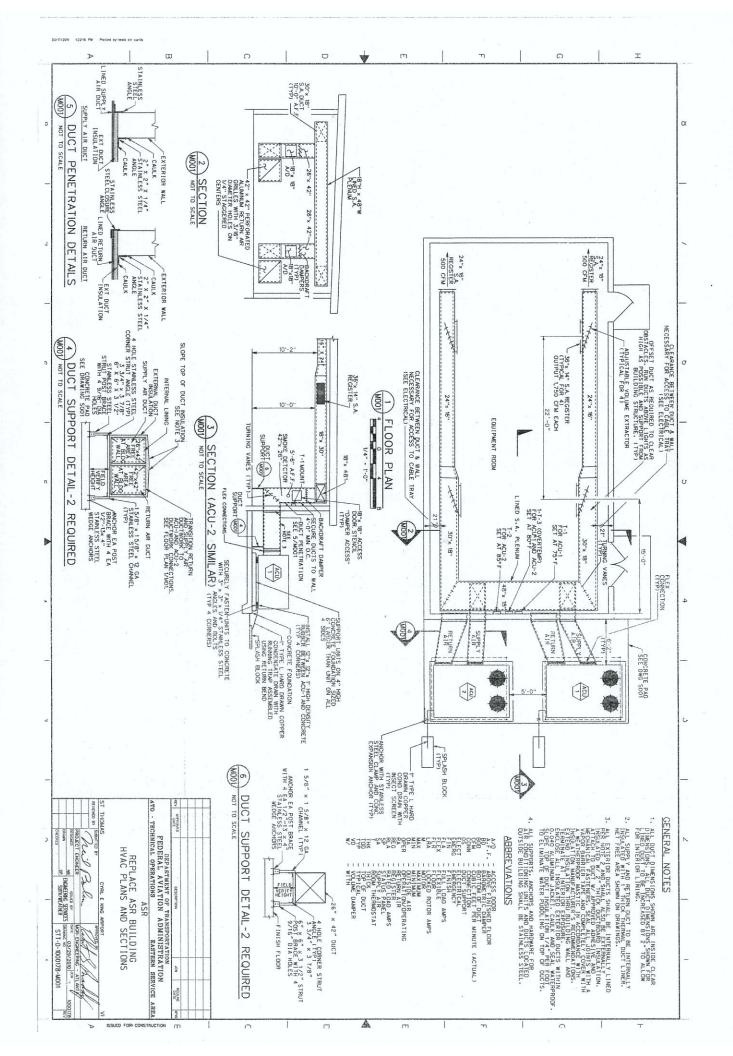
5. DO NOT INSTALL DUTSIDE ARE INTAKE HOODS.

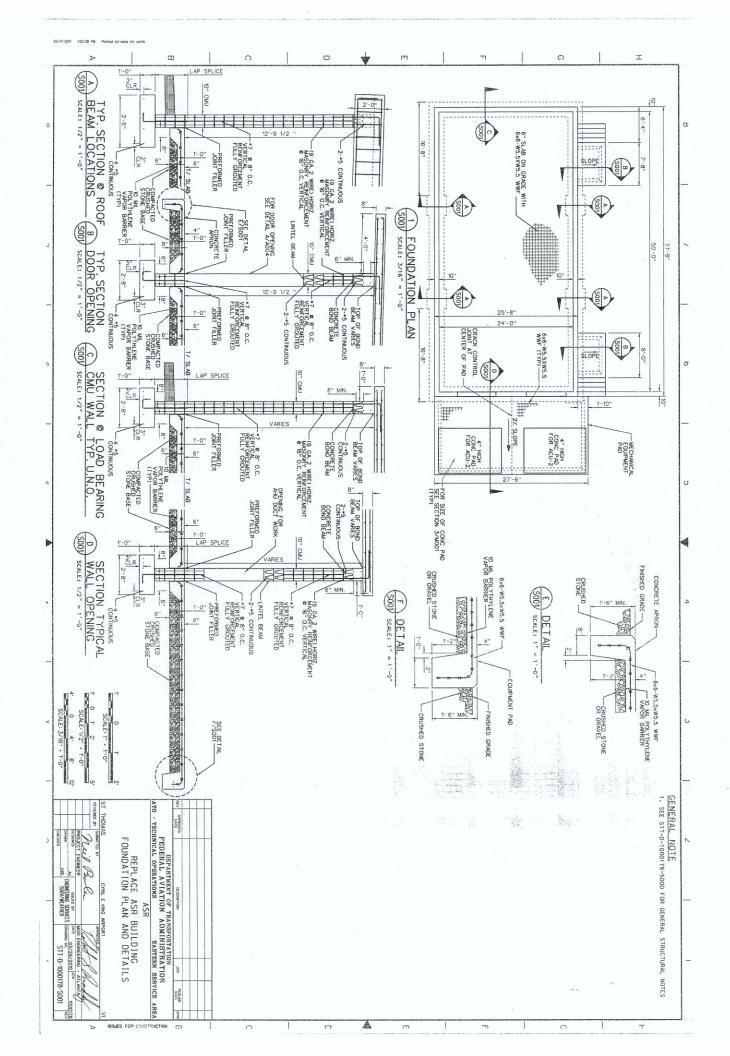
6. PROVIDED 2" THICK PLEATED FLITERS. SEE SPECIFICATIONS FOR EFFICIENCY. FILTER ALL (100%) RETURN AIR.

WITH SIZE, OLANTITY, AND LOCATION AS RECOMMENDED BY MANUFACTURER TO FILTER ALL (100%) RETURN AIR.

WITH SIZE, OLANTITY, AND LOCATION AS RECOMMENDED BY MANUFACTURER TO FILTER ALL (100%) RETURN AIR.

7. PROVIDED SPARE MICROPROCESSOR CONTROL CIRCUIT BOARD FOR EACH (2 TOTAL) AIR CONDITIONING UNIT. SPARE CIRCUIT BOARDS. MANUF ACTURER MANUFACTURER TRANE * **WIDTH** 32" 48" 48 32" 48: 48 TCH241E3
SINGLE PACKAGE
PACKAGE
COOLING ONLY MODEL MODEL HEIGHT HEIGHT 72" 72" 32" 56" 16A17DB AND TYPE 32" 56" AND TYPE EG ROOM AIR INTAKE AIR INTAKE EXHAUST FAN EF-1 ENGINE DAMPER FAN EF-1 SLAB LOCATION SERVES SERVES WALL MOUNTED DISCHARGE BLADE SCHEDULE HORIZONTAL DISCHARGE ے _ COUNTERBALANCE COUNTERBAL ANCE COUNTERBALANCE EXHAUST BLADE 450 450 TYPE 450 SENSIBLE 169,000 CAPACITY (BTUH) PROPELLER TYPE BL ADE LOUVER SCHEDULE 6 6: 6 TOTAL FAN SCHEDULE 240,000 6063-T5, .070" extruded olum 6063-T5, .070" extruded olum 6063, .125" extruded olum 6063, .125" extruded alum 6063, .125" extruded alum BLADE AND FRAME MATERIAL 1,350 CFM BLADE MATERIAL CENTRIFUGAL CLASS I (IN H 20) TYPE 1/2 DRIVE DIRECT FRAME FINISH 8,000 CFM KYNAR KYNAR 500 KYNAR 500 6063-T5 FRAME MATERIAL 6063-T5 4"x1" EXT.S.P. MIN.H.P. 0.85 500 1/2 48" HEIGHT VS APPROX FREE AREA 1725 RPM ELECT SEE 208V 30 60Hz NOTE 5 CFM AR 45% 45% 45% CONDITIONING WITH MOTOR GUARD MOUNTING PANEL AND WALL SHUTTER BELT DRIVE DF THE UNIT INCLUDING 18 GAUGE NO.18 MESH S.S. INSECT SCREEN 18 GAUGE NO.18 MESH S.S. REMARKS 1750 MESH S.S. AND CONDENSER COIL GUARDS В.Н.Р. UNIT 5.1 PSF WINDLOAD DISPOSABLE FIBERGLASS FOR RETURN AIR ONLY PSF WINDLOAD DESIGN FOR 45 PSF WINDLOAD SCHEDULE TYPE REMARKS SEE NOTE 6 NUMBER R DAT SEE SIZE NOTE 6 208V/30/60Hz TURN ы ELECTRICAL DATA
OMPRESSORS OUTDOOR FA
RLA LRA QTY H.P. EA 247 EA 12 DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA E--FAN PROJECT ENGINEER SSIED GRANN DP DIGEERNS SSIED GRANN DP SSIED GRAN 7.5 REPLACE ASR BUILDING MECHANICAL SCHEDULES 24.2 FLA EER SISTED V GOR BOAREEMON - MILATING VIDE B HEATERS NONE CYRIL E KING AIRPO PACKAGE TIND FOR LOW AMBIENT OPERATION DOWN TO PRESSURE 5-YEAR COMPRESSOR WARRANTY REGLAS





GENERAL NOTES
.. GENERAL:
1. APPLICABLE CODES - LATEST EDITIONS OF: STRUCTURAL SYSTEM: ORDINARY MASONRY REINFORCED SHEAR WALLS EXCAVATION: CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION OF RECEDING SHOULD BE SOLETION OF RESPONSIBLE FOR ALL EXCAVATION OF ROCEDURES INCUDING LAGGING, SHOULD, DEVELOR, SHOULD SOLETION OF ROCEDURES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT. SOLLS: FOUNDATIONS ARE DESIGNED TO BE SUPPORTED BY SPERAD FOOTING AN ALLOWABLE SOIL BEARTING PRESSURE OF TOOD POUNDS PER SOUARE FOOT. SOIL BEARTING PASSALE BE VERTIFIED BY PER SOLARE FOOT. RECISITED SOILS ENGINES AND THE OF EXCAVATION. ELEVATIONS GIVEN IN SPECIFICATION ARE FOR PURPOSES OF CONTRACT AND SHALL BE ADJUSTED AT THE TIME OF EXCAVATION TO MEET ANTUAL SITE CONDITIONS. DESIGN LIVE LOADS: NOT TO BE REDUCED: OTHER TRADES: SEE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF DIFE, VERT, DUCT, AND OTHER DEFINISS AND DETAILS NOT SHOWN ON THESE STRUCTURAL DRAWINGS. ALL DIMENSIONS ARE TO BE CHECKED AND VERT FED WITH THE ARCHITECTURAL DRAWINGS. DISCREPANCIES: CONTRACTOR SHALL VERIEV ALL DIMENSIONS. CONDITIONS. AND ELEVATIONS OF THE AND BRING TO THE ATTENTION OF FAA RESIDENT ENGINEER ANY DISCREPANCIES. WIND: BASIC WIND SPEED 145 MPH. EXPOSURE C. IMPORTANCE FACTOR 1.15
BULDING CATCORY IV.
INITERNAL PRESSURE COFFF ICIENT. GCPT: ±0.18
INITERNAL PRESSURE COFFF ICIENT. GCPT: ±0.18
COMPONENTS AND CLADDING PRESSURES: (+) 21.43 PSF (+)
COMPONENTS AND CLADDING PRESSURES: (-) 72.20 PSF (+)
COMPONENTS AND CLADDING PRESSURES: (-) 72.20 PSF (+) EQUIPMENT AREA FLOORS
TYPICAL FLOORS, U.N.O.
ROOF
CONCENTRATED LOAD ON TREADS INTERNATIONAL BUILDING CODE 2006
ASCE 7-05 MINIMAM DESIGN LOADS FOR BUILDINGS AND DIMER STRUCTURES
AGC 319-05 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
STEEL DECK INSTITUTE SAMBARD PRACTICE DETAILS SPO2
ACT 330-05 / ASCE 5-05 / TMS 402-05 BUILDING CODE REQUIREMENTS FOR MASDNRY BASIC STRUCTURAL SYSTEM: ORDINARY REINFORCED CONCRETE SHEAR WALLS SOILS ENGINEER OR SOILS ENGINEER'S REPRESENTATIVE SHALL INSPECT SUBGRADE PREPARATION WORK PRIOR TO PLACEMENT OF ANY REINFORCING EL OR CONCRITE. 150 100 30 30 100 30 PSF C. E. REINFORCING STEEL: 2. WELDED WIRE FABRIC SHALL ONLY BE FLAT SHEETS. REINFORCING STEEL PROVIDED IN THE ABOVE REFERENCED SHOP DRAWINGS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: 1. CONTRACTOR SHAL CONCRETE CONSTRUCTION

1. ALL CONCRETE SHALL ATTAIN A MINIMUM 28-DAY COMPRESSIVE STRENGTH
AS INDICATED BECOW AND A MAXIMUM UNIT WEIGHT OF 150 PCF. UNILESS
NOTED OTHERWISE: MAINTAINED IN THIS POSITION SHOWN ON THE PLACEMENT OF CONCRETE. PENETRATIONS: PENETRATIONS OTHER THAN SHOWN SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF RESIDENT ENGINEER. PROVIDE PIPE SLEEVES AND INSERTS IN CONCRETE PER NECHANICAL, FIRE PROTECTION AND ELECTRICAL DRAWINGS AND SPECIFICATION. MAINTAIN A MINIMAM OF 1-INCHE LEARANCE BETWEEN ALL PIPE SLEEVE AND BAR SPACE BLOCKOUTS OR PRECAST INSERTS. PROVIDE 4 ADDITIONAL AS REINFORCEMENT BARS EVENT, 015TR BUTTO AROUND A SLEEVE AT EACH FACE OF WALL WHEN DUTSIDE DIAMETER OF SLEEVE EXCEEDED LAMETER. MIXING AND PLACING OF ALL CONCRETE AND SELECTION OF MATERIALS SHALL GREEN AND AND PLACING WITH ALL CONCRETE AND SELECTION OF MATERIALS SHALL DESCRIPTION ASSETT OF A STATE AND ACCRECATE FOR EXPOSED ACCRECATE SUBSICES SHALL BE OFFICE AND ACCRECATE AND ACCRECATE FOR EXPOSED AND ATTOMATION FOR ANY EXPOSED AND ATTOMATION FOR A STATE AND A ALL WELDED WIRE FABRIC SHALL BE LAPPED AT LEAST 12 INCHES. ALL REINFORCEMENT BAR LAPS SHALL CONFORM TO ACI CLASS "B" LAP REQUIREMENTS. STAGGER SPLICES WHEREVER POSSIBLE. CONSTRUCTION JOINTS: ADDITIONAL CONSTRUCTION JOINTS OTHER THAN SHOWN SHALL HAVE PRIOR APPROVAL OF RESIDENT ENGINEER BEFORE INSTALLATION. PROVIDE CONCRETE HOUSEKEEPING PAIS OR FOUNDATIONS FOR MECHANICAL, FIRE PROVIDE CONCRETE HOUSEKEEPING PAIS OR FUNDATIONS OF PAIS WITH RESPECTIVE SUBCONTRACTOR PRIOR TO INSTALLATION. INSTALL ALL BUILT-INS FURNISHED BY THE SUBCONTRACTORS OR INDICATED ON THE DRAWINGS. NO ALUMINUM CONDUITS OR PIPES SHALL BE EMBEDDED IN CONCRETE WITHOUT AN APPROVED COALTING. THE USE OF ALUMINUM PIPES OR CHUTES TO TRANSPORT CONCRETE WILL NOT BE PERMITTED. WHERE THE WEIGHT DE EQUIPMENT OR MATERIALS BEING TRANSPORTED DE LOCATION OR TEMPORARILY STORED EXCESSO THE DESIGN LIVE LOGO. PLANKING SHALL BE PROVIDED ON THE FLOOR SLAB AND SHORING PROVIDED BENEATH THE FLOOR. PROVIDE A 3 TO 4-INCH THICK MUD MAT OF LEAW CONCRETE BENEATH ALL BEARING SUPRECES TO PROTECT BEARING SOILS IF EXCAVATION REMAINS OVERNIGHT OR IF RAIN IS IMMINENT. PREPARE AND SUBMIT FOR APPROVAL TO RESIDENT ENGINEER SHOP DRAWINGS FOR REINFORCING STEEL IN ACCORDANCE WITH ACT 318. OF CHICAGE IN ACCORDANCE WITH ACT 318. CONCRETE COVER OVER OVER THE REINFORCEMENT. MINIMUM CAST-IN-PLACE CONCRETE COVER OVER REINFORCING STEEL, UNLESS NOTED DHERWISE SHALL BE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK AT THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND PROVISION OF ALL SHORING REQUIRED FOR THEMORAMY EARTH RETENTION. DESIGN OF SUCH SHORING SHALL BE BASED ON LATERAL EARTH PRESSURES GIVEN IN THE SOILS REPORT. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND PROVISION OF ALL TEMPORARY GUYS. BRACING: AND OTHER SUPPORTS AS RESEDED TO SKELLY RESIST TEMPORARY GUYS. BRACING: AND OTHER SUPPECTED. INCLUDING LOADS FROM ERECTION EQUIPMENT AND OFFRATIONS: AND ALL WIND DO SEISSUIC FORCES COMPARABLE IN INTENSITY FOR WHICH STRUCTURE WAS DESIGNED. SLAB ON GRADE (S.O.G.) ELEVATED CONCRETE SLAB REINFORCING STEEL, TYPICAL ASTM A615, GRADE 60, FY = 60 KSI WELDED WIRE FABRIC (WWF), ASTM A185, FY=65 KSI CONCRETE CAST AND EXPOSED TO EARTH; CONCRETE EXPOSED TO EARTH OR MEATHER: #5 BAR DR. LARGER; #5 BAR DR. SAMLER; CONCRETE NOT EXPOSED TO EARTH OR WEATHER: \$1.08 & WALLER; .000 PSI 1-1/2" E. REINFORCING STEEL (CONT.);

5. BAR SPLICES ALL DOBER AND LAP LENGTHS SHALL BE AS GIVEN IN ACT 318-05

UNLESS NOTED OTHERWISE CONTRACTOR SHALL PREPARE LAP SPLICE TABLE
AND SUBMIT TO RESIDENT EIGINEER FOR APPROVAL PRIOR TO ANY FIELD

PLACEMENT OR REINFORSEENT. M. ALUMINUM ANCHORS. SHAPES. AND COMDUITS:

1. WHERE ALUMINUM ANCHORS. ALUMINUM SHAPES. OR ALUMINUM ELECTRICAL

1. CHORUITS ARE EMBEDED IN COMCRETE. ALL CONTACT SUBFACES SHALL BE PAINTED

WITH ZING-ORROWATE PRIER. PAINT SHALL BE ALLOWED TO DRY THOROUGHLY

BEFORE ALUMINUM IS PLACED IN CONTACT WITH THE CONCRETE. 1. COLD FORMED LIGHT GAGE METAL FRAMING: SHALL BE DESIGNED AND SUPPLIED
1. ALL COLD FORMED LIGHT GAGE METAL FRAMING: SHALL BE DESIGNED AND SUPPLIED
1. BY THE CONTRACTOR FOR ALL GRAVITY. LATERAL, AND OTHER LOADINGS INDICATED
1. BY BILLION GAMTER ALS SHOWN ON ARCH TECTURAL DRAWINGS, AND DESIGN LOADINGS
1. NOTED ON SOOD. DESIGN SHALL BE DOKE IN ACCORDANCE WITH PROVISIONS OF THE
1. ATEST EDITION OF THE ALST THE SIGN OF COLD FORMED STREET STRUCTURE AND RESERS."
1. EXCEPT THAT DEFLECTIONS SHALL BE CALCULATED USING FULL LOADS INSTEAD OF
1. REDUCED LOADS. 6. INSPECTION OF MASONRY UNITS ARE REQUIRED AS PER SPECIFICATION. 3. INSPECTION OF MASONRY UNITS ARE REQUIRED AS PER SPECIFICATION. MASONRY

- STANDARD HOLLOW CONGRETE BLOCK SHALL CONFORM TO ASTM C90 EXCEPT
THAT THE MAXIMAM MOISTURE CONTENT SHALL NOT EXCEED 50% OF THE TOTAL
ASCORPTION. COMPRESSIVE STERGISH (* 5"n.) OF 2000 PS!. 5. EQUIPMENT PADS: SEE MECHANICAL DETAILS FOR TYPICAL EQUIPMENT PADS. COGRDINATION WITH OTHER TRADES

1. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED TO COORDINATE WITH OTHER TRADES. 4. FIRE WALL PENETRATIONS: SEE SPECIFICATIONS FOR REQUIRED FIRESTOPPING INSTALLATION. 9 GAUGE LADDER-TYPE REINFORCING SHALL BE PROVIDED AT MAXIMUM OF 16" O.C. VERTICALLY U.N.O. MASONRY MORTAR SHALL CONFORM TO ASTM C476 WITH MINIMUM COMPRESSIVE STRENGTH ($f^{\prime}\!\left(m\right)$) OF 2000 PS1. HEIGHT OF GROUT LIFTS SHALL NOT EXCEED 4'-0". MASONRY UNIT SHALL BE LAID SO AS TO PROVIDE UNOBSTRUCTED VERTICAL CONTINUITY OF GROUT SPACE MASSURY MORTAR SHALL CONFORM TO ASTM C270 AND BE TYPE M. GROUT SHALL CONFORM TO ASTM C476 WITH MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI. CONCRETE SHEAR ANCHORS SHALL CONFORM TO A.W.S. D1.1. TYPE B REQUIREMENTS FOR STANDARD HEADED STUDS, FY = $60~\mathrm{KSI}$. PENETRATIONS THRU FLOOR GRATING: HOT ALL PENETRATIONS ARE SHOWN. FIELD CUTTING IS PERHISSIBLE. REINFORCE GRATING PER THE STRUCTURAL DETAILS. PENETRATIONS THRU PRECAST CONCRETE: FOR PENETRATIONS LESS THAN OR EQUAL TO SIX INCHES-NEATLY CORE DRILL. FOR PENETRATIONS GREATER THAN SIX INCHES-COORDINATE WITH STRUCTURAL PRECASTER. ALUMINUM SUPFACES TO BE PLACED IN CONTACT WITH CONCRETE, WOOD, OR MASONRY CONSTRUCTION. EXCEPT WHERE ALUMINUM IS TO BE EMBEDDED IN CONCRETE. SHALL BE DIVEN A HEAVY COAT TO MA HAN I HEESISTANT BITUMINUS CONCRETE. SHALL BE DIVEN A HEAVY FAUNT SHALL BE APPLIED AS IT IS RECEIVED FROM MANUFACTUREN NITHOUT THE ADDITION OF ANY THINNER. SUPP DRAWINGS AND SUPPORTING CALCULATIONS FOR COLD FORMED METAL FRAMING SHALL BE SEALED AND SIGNED BY A STRUCTURAL ENGINEER LIGENSED IN THE STATE OF THE PROJECT. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO TECHNICAL OPERATIONS
EASTERN SERVICE AREA PROJECT ENGINEER
DESIGNED AJ
DRAWN LUC
CHECKED mid Bale REPLACE ASR BUILDING STRUCTURAL ALE BURNETHK STRUCK SEARCH STT-D-1000178-S000 CYRIL E KING AIR GENERAL NOTES ASR H A

